

10/089647

WO 01/23558

JC10 Res'd PCT/PTO 27 MAR 2002  
PCT/US00/2610

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.  
HODGSON, David M.  
LINCOLN, Stephen E.  
RUSSO, Frank D.  
SPIRO, Peter A.  
BANVILLE, Steve C.  
BRATCHER, Shawn R.  
DUFOUR, Gerard E.  
COHEN, Howard J.  
ROSEN, Bruce H.  
SHAH, Purvi  
CHALUP, Michael S.  
HILLMAN, Jennifer L.  
JONES, Anissa L.  
YU, Jimmy Y.  
GREENAWALT, Lila B.  
PANZER, Scott R.  
ROSEBERRY, Ann M.  
WRIGHT, Rachel J.  
CHEN, Wensheng  
LIU, Tommy F.  
YAP, Pierre E.  
STOCKDREHER, Theresa K.  
AMSHEY, Stefan  
FONG, Willy T.

<120> SECRETORY MOLECULES

<130> PT-1087 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/156,624; 60/156,625; 60/168,614; 60/168,611; 60/168,613  
<151> 1999-09-28; 1999-09-28; 1999-12-02; 1999-12-02; 1999-12-02

<160> 63

<170> PERL Program

<210> 1

<211> 1752

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 198450.6.oct

<220>

<221> unsure

<222> 1744, 1748

<223> a, t, c, g, or other

<400> 1

aaaccggaga cgttccgaag tcaacgcaag caaaggggag tgcgggtcgg ggaggaatat 60  
tcttttggaa acgtaatatt ggccttgggg ctctccagcc ctttggact tccaaatggga 120  
tcttagaagc agccgaagca gcgtgagggc ggcagcccag ggccagccac gatttgaacg 180  
ctctgccttg cagctcttct ggaccgagga gcccuaagcc ctaccctcac cattcaccag 240  
gttacagttc ttatccgcgt gaatacacat ggctctgtta cgaaaaattt atcaggtgct 300  
gctgttcctt ctgatcgtga ccctctgtgt gattctgtat aagaaagttc ataaggggac 360  
tgtgcccagaat aatgacgcag atgatgaatc cgagactcct gaagaactgg aagaagagat 420  
tcctgtggtg atttgtgctg cagcaggag gatgggtgcc actatggctg ccatcaatag 480  
catctacacgc aacactgacg ccaacatctt gttctatgtt gtggactcc ggaataactct 540  
gactcgaata cgaaaatgga ttgaacattc caaactgaga gaaataaaact taaaatcgt 600

ggaattcaac ccgatggtcc tcaaaggaa gatcagacca gactcatcg a ggcctgaatt 660  
 gctccagct ctgaactttg ttcgattta tctccctcta cttatccacc aacacgagaa 720  
 agtcatctat ttggacgatg atgtaattgt acaaggatgat atccaagaac tgtatgacac 780  
 caccttggcc ctggggccacg cggcggtt ctcagatgac tgcgattgc cctctgctca 840  
 gggacataaa cagactcgtg ggacttcaga acacatataat gggctatctg gactaccg 900  
 agaaggccat caaggacctt ggcacatcgcc ccagcacctt ctcttcaat cctgggtgtga 960  
 ttgttgc当地 catgacagaa tggaaagcacc agcgcacatc acaggcaattt gagaatgga 1020  
 tgcaaaaagaa tggggaggaa aacctctata gcagctccct gggaggagggg gtggccac 1080  
 ccccaatgtct gattgtgtt catggaaat attccacataat taacccctgt tggcacataa 1140  
 ggcacctggg ctggaaatcca gatgcccagat attcggagca tttctgcag gaagctaaat 1200  
 tactccactg gaatggaaata cataaaccctt gggacttccc tagtggtcac aacgacttat 1260  
 gggaaagctg gttgttccctt gaccctcgag ggatatttaa actcaatcac catagctgat 1320  
 ataactctac cttttttttt ttcctgtat agaaatgtgg aattgttccctt ttgtagccaa 1380  
 ctataacatt gttttttatg aatattacct ttgatacataat tgatccacaa tataaaaacc 1440  
 aaaaactact gtgtgcaaat tataccttgg accatataagg cattgattaa ctttttttaag 1500  
 tacatgtgat aactatggaa atcaagatta tggactgaa aaacataaag gaagagaccc 1560  
 atctagataa cagcaatcaa cctgcttaat tctgaatgac aattatatcc acaaattttt 1620  
 aaaaacttcta catgttattttt tcacatgaag atctccttaa caggttgcac accttttctt 1680  
 ttataaaactttaa attacatgaaatgac gtctgaaaaaa taaaatatttca atcattttta 1740  
 tganaaanaaa aa 1752

<210> 2  
 <211> 1347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 475178.1.oct

<220>  
 <221> unsure  
 <222> 974, 1010  
 <223> a, t, c, g, or other

<400> 2  
 agccagctgg ttctcaggc agcaagagac gatccatttt tatcggaaagc tttatagtag 60  
 caataatgt aataccccc acgtccggctc cacaatgttag agggaaatggc atcgccctggc 120  
 agtgcacatgct atattgtgcg tgcgatggctt gttttatgc ccagagatgat cttccagccgg 180  
 ggtatgtccc acaggaagga ggcgggatca gtcgcgtcg ggtctgtat gtcatgcacc 240  
 ccgaaggccaa tggacgaaacg ggttttca tccatggta acgacagaaa gacaaactgg 300  
 tggtatttggg atgctatgtt agaaaggact tggcttacac caaagccat ccaacgttcc 360  
 atcactggaa ggtcgataat aggaagtgg gacttacttt ccaaaagccct gctgatgccc 420  
 gagccttggc caggggagta agggaaagca tcgaagaccc tataaaaggt tcaacaacgt 480  
 catcttccac cattccataat gaagctgacg ttggcgatga tgacgtttt acaacagcta 540  
 cagacagttc ttcttattcc tctcagaaga gagacgaaacc tactccggaca atctcccttc 600  
 ccacatctgtg tgacgacccgg aggattata ccctggccca cctccacgac tcatacccca 660  
 cagaccacta tcacccctcgat cagccgatgc caaggcccta ccgcggatgt agcttcccg 720  
 acgacgacga ggagatcggtg cgcacatcaacc cccgggagaa gatctggatg acggggatcg 780  
 aggattaccg gcacgcaccc gtcaggggca agtacccggc cccctccggag gacggggact 840  
 cctcctacgt ggcgttcgccc aaggccggagg tccccaagca tgactacaac taccctacg 900  
 tggactccctc agactttggc ctggcgagg accccaaagg ccgcgggggc agcgtgatca 960  
 agacgcaccc ctcncggggc aagtgcggc ggcggaaagg ggcgggagan cgctcgccgt 1020  
 gcgtgtactg caggggacat gtttcaacca cgaggagaaac cggccggggcc actgccagga 1080  
 cgcggccgac tccgtggaaa cttgcattcg ggggtggaaac ttgtttgtgt tgcgcccaca 1140  
 gcatgtcttca tcaatgtatg tggaccccg aggagagacta tacagaccct tgcgtgcg 1200  
 atactagcga cgagaagttt tgcctccggt ggatggctt tattgccttgc tctttccctgg 1260  
 cccctgtat gtgttggtag cctggccctt cggccctgccc accactgccc agtgaatgtg 1320  
 caggtgctgt ggcgggaaac acaaaggc 1347

<210> 3  
 <211> 2626  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;223&gt; Incyte ID No: 231793.2.oct

&lt;400&gt; 3

cccggaacta acctcggttc ccttggaaag gccgcgttc atggccagga gcagcagtct 60  
 gggccgcgag tgcgggacac cgaggtcagg tctcgaaag ggaggaccc ctcgtcccc 120  
 gggggccccag gccaggtgca ccctggccg caggtgcacg gtctccggaa agtgcaggcg 180  
 cccacgtccc agctggacca tggcgctcc gcggAACGTG gtgaagattg ccatcaagat 240  
 gcgtgacgcc atcccgcagc tcataccagct gacccaggcg aagccctggc cgctgtgctg 300  
 aaggaggtgt gcgacgcgtg gacccgtacg cactctgagc gttacgccc gcatgttgcg 360  
 gatggggcacc ggagatacat caccgagaat aaccggcgcc agatcaagaa tggcagcatc 420  
 ctgtgcctca gcacggcccc agacccgtgg gctggacgc tcttgggtgg gctgcagatg 480  
 aacagtccctg aaggggcgcgg ggaagccctg aggcgccttgc ttccgcgtggc ctcggacatg 540  
 atctttgcca gggaggtcat cagccgtat gggctccaga tactaggcac catcatgaa 600  
 gatggggacg acctaggaga ggtgctggcc ctcagccgtg gggccttctc agagctcatg 660  
 gagcacggcg tgggtgcctg ggagactctg agcatccct ttgtgaggaa ggtgggtgtc 720  
 tacgtgaaca tgaacctcat ggatgcctcc gtgcctccccc tggcccttgg gctgctggag 780  
 agtgtgaccc ttagcagccc agccctggc cagctggtca agagcgaggt gcccctggat 840  
 aggctgtgg tgcacactaca ggtgtatgaa cagcagctgc aaaccaaggc catggccctg 900  
 ctgacaccc tgcgtgcaggg ggccagccct gtggAACGCA agcacaatgt tgactatctt 960  
 tggcagagga accttcgcca ttgcataat aagaacatca tccacagtgc agcacaatg 1020  
 ggcgcacgaga tggctcatca cctgtacgtt ctgcaggcctc tcatgctgg gctgctggag 1080  
 ccgcgcatgc gaacggccct ggaccctac agccaggagc agcggggagca gctgcaggc 1140  
 ctacgcagg ctgccttcga ggtggagggg gagtgcctgg gtgcggggct aagtgcgtac 1200  
 cgtgcggctt ccctctgtgc ccgagatgtc cgccaaactgg gctttctaa cagcaaccca 1260  
 gcacaggacc tggagcgcgt gccccccggc ctgctggccc tggacaacat gttgtacttc 1320  
 tccagaaacg cgcccagcgc gtaacagccg gtttgggtt gagaacagca gccgcgagga 1380  
 caagcacag tgcctcttgc cccggggcag catccagctg acgggtctgc tgggtgagct 1440  
 gtcctgtgtt gggagccct gtcctgtggc agccaggagc ttctcaccctt gttcttcgg 1500  
 ccaagacacg agtcttcacg agtcttcgt tggggcattt cagctgttgc ataagacactg 1560  
 gaaggagatg cgggttacac aggaggactt cgacaaggc atgcagggtt tgccggagca 1620  
 gctggccgc actctggccc tgaagccac ttccctggag ctctccgaa ccaagggttgc 1680  
 tgcgtctact tatggggagg tgcgtggct gcccgcagactt gaaaggctgc accaggagg 1740  
 cacactggct cccctatac tggagctgtc ggagaaggctg aaggccagagc tcatggcct 1800  
 gatccgcacg cagcgttgc tccgcctctg tgaggggacg ctctccgca agatcagcag 1860  
 ccggcggcgc taggttcttgc gaatggcat gggcaggggg cagaggcagc gcaaggaggca 1920  
 ggcagaggc ggcgtggctt gttgcaggac ctctcagcac tctggccctc ttccctttct 1980  
 ccacgcagat aagctgtgtt tctgtgcctt gtcggccaaac cacaagctgc tgcagtacgg 2040  
 agacatggag gaggggcaca gcccgcctac cttggagatg ctggccggc aactccctgt 2100  
 gggccacatg aggccactcc tgacaggcaa ggactcccc catgtccggg agaagggttc 2160  
 cgggaaggcag aacaaggacc tctatggatg ggccttctca atcagatgtt accgtgggaa 2220  
 ggaggaaggc tacctcaact tcatggccc ctccaaggcgg gagtttacc tggggacaga 2280  
 tgggctcaatg gccttgcgtt gcaatccat gggcaggcagc gagacacggc tggaccttga 2340  
 gcaatgtgtt accatggaga ccaatgtgc tctgtggag ctggagaacg tgcccatccc 2400  
 cgagcggcca cccctgtgc ccccaaaaaa caccacccac aacttctgt atgactgcag 2460  
 catcgctgaa ccttgacatg gttggctggcc atggggccaca gtcggccca ctgcagcagc 2520  
 catgaaggcag agtgggttggaa ggagtgcagg caccctgacc agcagagatt gtcgcagaaa 2580  
 taaaatgttc ttggcttttgc ggtatgttgc agccagctt gtaaaa 2626

&lt;210&gt; 4

&lt;211&gt; 1808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 000010.4.oct

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 26

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 4

caaagtgcgtt ggatttagagg cggtgancacc attccctggct ccttggacaa tattttattc 60  
 ctcagatataa gacacgtcct tgggtgggg ctgcatttgc taatttcaccg aaggcaccgc 120  
 tgaatggatg gggcccttag taaataccctg gaggaaatgtt acctggccag tgaggttatt 180  
 ttctttgttgc ggtgaaatgtt gtagcagtca ctcggccatc acccacagca tcgaccctgt 240

gaaccccagcg	acctgactgc	cttgggagaa	ttgaagcgaa	ttagagtgaaa	gagtgtgaga	300
ggtgcgtttg	gtgcagcatt	tctggcatgg	gaacagaact	ggccaggagg	aagtgcgtc	360
tgggttctgc	ccgcacacat	tcctcgccac	cttcttggtg	tctgagaacc	tccagcttca	420
cctccctttc	tgaccccgag	ggccctggcg	agcttccagc	tgggaccaag	acctccatgg	480
atccactcca	gaaacggaaat	ccagcatacg	cttccaaatc	ttccccatgt	acagctgcag	540
agactttcca	ggaagggtcca	gcccgccttc	agccttgcgt	ctcagaacac	ccgatgtatgg	600
gcctcgttaa	cctggagcccc	ggtcctggcc	ccagccaggc	cgtgccttc	ccagaggggc	660
tgctccgcca	gccccgtacaga	gaggagaaga	cccttggaaaga	gcggcggtgg	gagaggttgg	720
agttccctca	gagggaaagaaa	gcatttcgtc	ggcatgttgcgt	gaggagacac	cgcgatcaca	780
tggcccccta	tgtctgttggg	agggaaagcca	gaatctcccc	attaggtgac	agaagtcaaga	840
atcgattccg	atgtgaatgt	cgataactgcc	agagccacag	gccgaatctt	tctgggatcc	900
ctggggagag	taacaggggcc	ccacatccct	ccttcctggga	gacgctgttgcgt	caggggcctc	960
agtggcttga	ctctcagccct	aggcacaac	cagccccggc	ctctgcctga	agcggcactc	1020
cagccacacgg	agacagagggaa	gaagcgccag	cgagagaggc	agcaggagag	caaataatg	1080
tttcagagggc	tgctcaagca	gtgggttagag	gaaaactcgag	acgtgcaccc	ccatgggatg	1140
gagaccggaa	gggacttcaga	cggagccggc	gtgttggcag	cgccctgggt	ttggccatt	1200
ttggggacca	aacagcaagc	tgtggtcgg	tgtagtgcagg	gaccctgtta	ccgggacacg	1260
tgggagtctt	cccgacatga	tgcttgcactg	accccgaggaa	ggttctcatg	tttcgtgcct	1320
gtcatttcgc	gatggctgt	aggcattct	tggcaaggga	cgctgcgtac	cagcgtcct	1380
caccgcacatc	cacatggctc	ctgtgatgca	tgttgtcgct	ttcccaccccg	ggatctccat	1440
ctctcttccc	ttctctgtgt	cagtaagaga	tcacatgtct	gtgtagtgt	aatgccttgt	1500
cgctgtctcg	tgcctttgca	ccattgtagg	gactgcctct	gagaagcagc	actaggcctg	1560
ttgaaatgc	atgtgtcgcc	ctgagatcca	gttcaagaa	tggcaggta	aacgcagtgt	1620
gggaaaggaa	tgtggaaatga	gaacttggtg	gttcacccgt	gtactatgg	tgttaatgtt	1680
tactatgttgc	ataagctaca	tgtatgtaaa	tgttgcaata	cccttaacag	tcgagatgt	1740
gtctccctta	caggaatttt	tgacggggtt	cctcatcatc	aataccaaat	aaatatatgt	1800
aggaaatgg						1808

<210> 5  
<211> 989  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 412959.6.oct

<210> 6  
<211> 1499  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 331521.5.oct

<220>  
<221> unsure

<222> 276

<223> a, t, c, g, or other

<400> 6

```

ggaaaggacg ctctatttcc ctcgtgtctc tacctggtag gtaaaatccgc cgcagaaaaag 60
accaatgcta actccaccc gcatttgcag agatccgtcg ctacacaccc ttcttgtctt 120
ccgttggaaa aagagaatcg tgggagtagg acctatttc caatctctg gtaacactat 180
cacaactggc cacttccgccc caacgccccg tagtctgaga gcctccaagg tcctccccgg 240
aaccctgaa ggtccctgca gacgacggcg tcgtgngtgg tcaccgttat cccttaggtc 300
tggagagggg acatcccgagc gaggggccact tgccggccagg cccgagctcg tccagctccg 360
ggtagccaca gagtggccgg ggcggggcaga gggggccggaa acccaggccg cttegtccct 420
gttccggca gcccggcgct gctccgggg gccgctgtgg cagcgtatgc tgccacgggg 480
gactgaagat ggcggccgca ggtgagattt cggaggtaaa cgggtgtctt ccaccggct 540
ggaaatctg ttctttctgt acgggtggta taatgttacc tatttctgtc tggaaatttt 600
catatttctg tataaagggt tgctgttacc atatccaaaca gctaaccatg tactgtatg 660
ggtgatgttc ctcccttattc ttggaaattga agtaatttgc ctgtttttt gtaaaaaagg 720
aaacctctgc cagcggaaaga tgccacttgc tattagctgt ggcccttggacc ttcccatctg 780
ccatgtatggc ctcccttattac ctgtgttgc agacctacgt actccggctg gaagccatca 840
tgaatggcat ctgtgttgc ttctgtggct cagagctttt acttgagggtg ctcacattgg 900
ctgctttctc cagttatggac acgatttggaa gtacagaattt tcagccagca gccccatcagg 960
ctgacaccac acatattgtc tctggtaactt tagccacacc agtgagaattt ggtggggcaa 1020
gttgccttgc gaaaggctgt gtggctttt ttcagcacag acatttgggc aagcaactca 1080
gcataaggcc agtgggttacc atcttctaaa ccaggacccat cagcccaaga gactcttctca 1140
cactccagta tagggggggg caagggtttt ccatcttgc cccttctcag aaccagtccc 1200
ctgtgttgc acatgttcc tctttgttca cctgtggccag agcatctcg tgggaccatc 1260
taggcttccctt ggcttcaag caggacccat gcccacatgtt ccctgttca gctgtgtctat 1320
acctgtccca catgagccacg gagagccctca tggggggggg tttccagagt gatgtgaaag 1380
cctctcaccctt caatctctgg agacttagttt ccacaactttt ttttagtagctt catatgttta 1440
tttttctact ctcttcatgt aactaactttt attttataat aaatataat tttctgttg 1499

```

<210> 7

<211> 985

<212> DNA

<213> *Homo sapiens*

<220>

<221> misc\_feature

<223> Incyte ID No: 902114.1.oct

<220>

<221> unsure

<222> 456, 460-461, 470, 772, 805, 9

<400> 7	ctgaaggcag	cagatggttg	gtgatcgac	gtggatcaag	gactggaaca	tagcccctt	60
gtggccatgg	tggaaaggac	ctcagaccat	catcctgacc	acccccagg	ctgtaaaggt	120	
agaaggaaatc	ccatcctggg	tccacacag	ccatgtgaat	cctcgagccg	ctgaaacctg	180	
ggaggccaaa	cagagctgg	acaacccctg	caaagtgt	ctgaggagga	tgacaagccc	240	
tgctccatgc	acacctggaa	gctgactgtt	ctacgcacgg	ccgaagcatg	aggaagctca	300	
tcgttgaact	catttttctt	ataatttggaa	cttgcatacg	aaggacttca	actgacattc	360	
ctcagactga	gggctgttcc	cagtatatac	atcaagtca	tgaggttgg	ccaaaaattt	420	
ctacagtcct	attattttat	agttattatg	aagtgnactn	ngactcttn	aaaaaaaaac	480	
ctgtttgtat	aataacaccc	agtacaaaagt	atgtaatcca	ggaagtgacc	agccccatgt	540	
gtgctatgac	ccctttgaac	ctcccattgtat	cacagtctt	gaaataagat	taaggactgg	600	
tcattctcta	agtgcacacaa	gtaaagtaat	agctagaaca	gaagaaaaag	gggtcccaa	660	
aatgtaaacct	taaaatttga	cgctttgtgcc	actatttgata	gtaagcagca	tggaatagga	720	
tgccgttctc	taaatttggaa	aaaaaaagtta	cacggtaaaa	aaaaaaaaaa	tnggtatata	780	
tgtccagaat	cataatgtgag	tttctncaat	actggcttgc	tgtcatctgg	gctactgtaa	840	
cagaagataa	aaaagatcc	gtttggctcc	aaaaaggaaa	agtcagcccc	tcctgcacaa	900	
gtggggagctg	cancctttta	gaaatgataa	tcacaaaccc	ctcanaacca	gaatgtanta	960	
aaggaaaaata	tgtatcttta	ancaa				985	

<210> 8

<211> 848

<212> DNA

<213> *Homo sapiens*

```

<220>
<221> misc_feature
<223> Incyte ID No: 481382.1.oct

<220>
<221> unsure
<222> 787, 837
<223> a, t, c, g, or other

<400> 8
gcatgagcca cggcgccctgg ccaaggtta ttttaaactt taggaaaaaa gccaccaaac 60
accttgttgg agcagcagtg ctgtgagagc cgctccctgc acgcctgcct ggtggctaca 120
ggtccagggcc tgaggctgcc gctgcctccc ctctgtgcct gagaccatt ccatcacagg 180
ctcttagccg gtttatctg gctcatgagg tatcttttgc tagtcctctt aaaagttagcc 240
acagaaatta acaactcggg tttttcttta acaagggtga ggacgcttga gcagaagttt 300
gaagcaaaaa tcatcaagga gaaaaagcgac taccacgacc tggagtccgtt gttcagcag 360
gtggagcaga acctggagct gatgaccgtt tgggtttctt ctctgaatcg gacgagctgg 420
gtggggcagg agcgctcctg agaaagtgtt gttgtccctca gcagccgggtg cagcctgccc 480
ttgggagccg ggcatgtgg ctctctggga ctgggtgtttt ttgacgctcgc tgcctcgctg 540
tgcctgggaa tagctggcc acgaggccat ccgtggggag tggggggcca gggcacagac 600
actgcacat ggccttcctcc cagggtgtt ctgagagttt agggggact gggagggca 660
caggggctgt gaaggccac agccagggtt ggtgcctcc tgctccctgg tttttgggtt 720
gtgtccgtt tgaatgttag gacatcgtt atgtttttt tttttgggtt 780
acagaanacg ggctgttaaag gcaaaaaacc acgtcgtgaa actaaaaacag gaaatcngtt 840
tgctccag 848

<210> 9
<211> 1615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 903849.1.oct

<400> 9
gggagctcg gaccggcgcc ttctccttgc ttctgggggt cgtggcccttgc ctcggctgt 60
gcggggaaag aatccaggcc ctteccacgcg cgtgtgggtt cggggggcccc gaagtgcctg 120
tggccccccg cttaggtctcc gctggggcag gaaccggaaat catgggtggg accaccagca 180
cccgccgggt cacccctcgag gcgacgaga atgagaacat caccctgggtt aaggccatcc 240
ggcttcggaa aatgtgattt gatcaatgtt aggaatccctc tccatctgtt tcgaagtctc 300
agcggtattt tggtgctttag ggtgcctcgat tttctgtatgtt agaattgtttt agaagagtag 360
ctgaggagctt ggcattggag caagccaaaga aagaatccga agatcagaaa cgactaaagc 420
aagccaaaga gctggaccga gagaggcgtt ctgccaatgtt gcagtttacc agagccatcc 480
ttcggggagag gatatgttagt gaggaggaac gcgcttaaggc aaagcacctg gctaggcagc 540
ttggaaagaga aagaccgggtt gctaaagaag caggatgtt tctacaaaga acagctggct 600
agactggagg agaggagctt agagtcttac agagtcacca ctgaaacaata tcagaaagct 660
gctgaagagg tggaaagaaa gttcaagcgtt tatgttctt atccagtctt tgctgtatctg 720
caggccaaaa ttcttcgtt ttaccgtttagt aacacccacc agaccctcaa atgctccgtt 780
ctggccaccc agtatatgtca ctgtgtcaat catgccaaac agagcatgtt tgagaaggaa 840
ggataaaaaac ttccagaatgtt agcaaaaacac catcaacgtt aattccagatg atggaacatt 900
tttttccta gtgagaaaaac aacccatttgc aagagaagac cactaatgtt aagaccacta 960
aagagagaca tcaagaatgg attcagcaga atcatttccat gtttgaaca gcagcagttt 1020
gaagggccaa agccttgcattt agggatcagt cattaaaggc cactcttgc tattatgtttt 1080
cccttctatgtt atgataaaaaa gagaaggccat ggcctctccat cttttggat ctttcttattc 1140
aacttgcactt gaccataaaaaa tggtttcttgc tgaacaaggc cccatcattt ggtgaacctc 1200
cacccttaaca aagttaggtt ggggtgggg ctaaattatgtt tggagtgggg cgaggagaga 1260
gccagaaaaac atagatccgtt gggcagcagt gctgggtggat gagagccaga aacacatct 1320
ggaggcagca gtgttggatgtt gatatttgc tggctgtggat tgggggtttt gtctttctt 1380
ttcccttgc ttatgtttagt gctatttcat tataacttat tatgttgcattt atacaggcaa 1440
gaagacaaaaa aggagagaaaa atgttaccttgc tctactggaa taatgtttt gattacaatgtt 1500
gagataaggtt attttatca atatgaaggc aaccttggctt gataaaaacctt ctatagtgaa 1560
tactcacatc ttacttccatc tcactatcaa taataaaatat atttctgac aaaga 1615

<210> 10
<211> 942
<212> DNA

```

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 433776.4.oct

&lt;400&gt; 10

gcgtccaggg	cgaccagccg	cgggcccgcag	ggcatggacc	ttcaggccgc	cggggcccag	60
gcccaggggg	ccgcggagcc	gtgctgggg	cccgccgcgt	cctagcgcgc	ggggggcgcc	120
ccccagcccc	gaggctggct	ttgctacagc	tgaccactcc	ggtcaggaga	gagagactga	180
gaaggctatg	gatcgactag	cccgtggaac	acagagcatt	cctaattgaca	gtcctgccc	240
gggtgagggc	accattctg	aagaggaaagg	cttgcacatg	gatgaggagg	actctgatgg	300
agaatgaat	acctggggc	tgtcagaagg	gacaaaactgt	ccacccaagg	aacagctgg	360
cgatctttt	aatgaggact	gggactcgg	gttgaagca	gatcaaggga	atccatata	420
tgctgacgac	atccaggaga	gcatttctca	agagcttaaa	ccttgggtgt	gctgtcccc	480
acaaggagac	atgatctatg	accccagctg	gcaccatccg	cctccactga	taccctatta	540
ttccaagatg	gtctttgaaa	caggacagtt	tgacgatgt	gaagattgag	tgtggagctt	600
tctgccttgt	aggtggggcgg	gcctccacgt	caagatctt	tttgcgtct	tggaggtgaa	660
aagtcatatc	tgagaaaatg	tttgcagtga	cccctagtc	gggttacaca	gaccagtgtt	720
ccttatttgc	agtttcaat	aaggccccgt	catttcgccc	agtcgttgt	tgttcttaat	780
gggctccccc	tcatccatgg	caaaggcttc	cttttcagaa	tgggtgcct	caccccccggc	840
aggactgtca	ttaggaatgc	tctgtttcc	acgggcttagt	cgatccatag	ccttcctca	900
ctctctctcc	tgaccggagt	ggtcagctgt	agcaaagcca	gc		942

&lt;210&gt; 11

&lt;211&gt; 1728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 407607.4.oct

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 26, 79

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 11

aggccgcggc	ccacttaccg	cgagancgcg	gagtccctgcg	gatggcgcac	gcgcaaacct	60
cctgtatgc	ctgcgcctnc	ctggcccccgc	cttccgctcg	tgggagttcc	ggatgttag	120
cgttaccatg	gatccctggag	gtgcccgcga	acactgcttgc	tcgcctggc	aaccggagag	180
gacgaagcag	gacctagggt	gccccgggtgg	tacccggctgc	aatgggttcc	aatccctgtc	240
atggcttgc	ctttcttccg	ggcacgtctt	ttaaggactc	tacgaaaaca	gccttcacaca	300
gaagtcaagc	gctgagctac	aggaacggct	atgcaattgt	tcgacgttca	acagttggga	360
taggcggaga	ccgctccag	ttcaaccagc	tgtcccgagc	tgagctggat	gagttggcca	420
gtaaggcacc	agtttaact	tatggccaac	ctaaacaacg	cccacccgtcg	gattttattc	480
ctgcgcgt	ggccttttgc	aaaaaggtac	tggaaatttgc	tgcctatttc	caagaagatg	540
ttctatgtc	aactgaggaa	cagtatagga	tccgtcaggt	gaacatttac	tattatcttag	600
aagatgacag	catgtctgtc	atagacccct	ttgttagaaaa	ttcttggaaatc	cttcaaggca	660
agttataaaa	acgccagcgg	ctagccaaga	atgaccgggg	tgaccattac	cattggaaag	720
acctaaatcg	aggaataaaac	atcacaattt	atggaaaaac	tttcccgctt	gttgactgt	780
accaatttac	acaggatattt	ttagcaagcc	aaggaatttg	gtttaaatcca	ccagagaaga	840
tggctcttgc	tccttacact	gaactccggaa	aacaggccct	tcgttaagtat	gtcaccctt	900
cagacttgc	tcaactcaag	caatttctca	cctttgacaa	acaggtaaat	gacataggaa	960
ccacaatagg	tttacttatt	tccaaatgt	acccatattt	attggaaaa	gttgggttag	1020
ctgtatttgc	aactattttgc	aaacatttaca	gttataatttgc	aactgtttgg	acacagtact	1080
gtctttctgc	tttcatcaag	ggttacaggt	acaggaatgc	ctacatttca	tatggagatc	1140
caaagaagat	cgtggagtttgc	cgaggattttgc	ttgtgaacct	cacccaaat	ttaaatctca	1200
aagcaattcc	ttagctacat	ctgcttccca	ctttgcgtt	ccaatttgc	atttcttcc	1260
cttaaaaatgt	gctaatttca	tagacttcc	tgtgaaacca	taatcgatt	attagggaaat	1320
ttcacaaaata	tgcatacatg	taggttgtaa	tgtttaaaat	ttaatttca	cagaagcccc	1380
actacagatg	tttcccttgc	aaatgttata	ttaatatttg	agtccagaat	gttctgagca	1440
ttttccaaact	ctgttccaaac	tttcccttgc	tttgcgtt	tgagctgtat	tgtataagca	1500
gattttaaatc	tttcccttgc	tgtactaaag	ggagaaagaa	aaggaagaga	tcacccctcag	1560
tgcttcttgc	ctgttcccttgc	tcttttagaca	ttaaccctt	tttagttcag	aaaatgtaaa	1620
cttagcactag	catggcttttgc	taaggattttgc	tttgcataat	tgttatttt	gttttttttt	1680

ttgtatcaa agattgtgtt tattcccacg atttgaagaa gcctagcc 1728  
 <210> 12  
 <211> 1501  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <223> Incyte ID No: 234828.6.oct

<400> 12  
 cggctcgccc ttccgccttg gggagccggc ggcggagtcc gggacgtgga gaccgggggt 60  
 cccggcagcc gggcgccccc cgggcccagg ggtggggatg caccgcccgc gggtgggagc 120  
 ttggcgcctat cggcaagaag aaactgcag aggccaagta taaggagcga gggacggct 180  
 tggctgagga ccagctagcc cagatgtcaa agcagttgga catgttcaag accaacctgg 240  
 aggaatttgc cagcaaacac aagcaggaga tccggaagaa tcctgagttc cgtgtgcagt 300  
 tccaggacat gtgtgcaacc attggcgtgg atccgctggc ctctggaaaa ggattttgg 360  
 ctgagatgtc gggcgtgggg gacttctt acgaactagg tgtccaaatt atcgaagtgt 420  
 gcctggcgct gaagcatcgg aatggagggtc tgataactt ggaggaacta catcaacagg 480  
 tggtaaggg aaggggcaag ttcgcccagg atgtcagtc agatgacctg atcagagcca 540  
 tcaagaaact aaaggcactt ggcactggct tcggcatcat ccctgtgggc ggcacttacc 600  
 tcattcagtc tggccagct gagctcaata tggatcacac cgtggtgctg cagctggcag 660  
 agaagaatgg ctacgtgact gtcagtgaga tcaaagccag tcttaaatgg gagaccgagc 720  
 gagcgcggca atgtctggaa cacctgctga aggaagggtt ggcgtggctg gacttacagg 780  
 ccccaggggg gccccactac tggctgcccag ctctttcac tgacctctac tcccagggtt 840  
 atttgcacc tccgcctccct ccctgctgc tgctgtgtgc ccttccacat gcagtgcagg 900  
 gagggcttct ctggccctccct cagctgtaat ctccctgggg tagaggtcag tgaagagagc 960  
 tggcaggcag tagtggggcct cccctggggc ctgtaagttc agccacgcca acccttctt 1020  
 cagcagggtg tccctctgcca gctgcagcac cacgggtgtga tccatattga gtcagctgg 1080  
 aacagactga atgaggttaag tgccgcccac agggatgtat ccgaagccag tgccaagtgc 1140  
 ctttagtttc ttgatggctc tgatcaggtc atcttgcactg acatcctggg cgaacttgcc 1200  
 cttcccttc aacacctgtt gatgttagttc ctccaaagtt atcagacctg tttggagaca 1260  
 gggAACAGAA atcagaaaaaa gagattaccc actttaata agttgacagt cattacaatt 1320  
 ccagtggcct acaagtagca aataacattc tagttccaa ttttttttaa cactctcctt 1380  
 atgaaataac tgaccataat atgagaaatg gattctgaga ctttgcttagg cctgtcaaca 1440  
 gagagctacg aaaatctaaa aacaaaagca gtatcatctt taaaaacta taaatgtcct 1500  
 C 1501

<210> 13  
 <211> 1433  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <223> Incyte ID No: 336430.2.dec

<400> 13  
 gagtttagtct agtttagtata ggcctgttat ctccctttgc gcgacacgggt ctcagctgtt 60  
 cccgcctgagg cgagtgcgc tggccgccaa cgaggtatac gtactggac cctcgccctc 120  
 agtctcgctc cccggcgcgc tacctgcccc gttttccctg tgagttgacc tgctccggc 180  
 cgcggggcgc caatggcagg ggccgctccg accacggcct tcgggcaggc ggtgatcgcc 240  
 cccgcgggcgc caggaaagac cacgtactgc ctgggcatga gtgagttctc gcgcgcgcgt 300  
 gggccggcgc tggcggtggt gaacctggac cggcccaacg aggggctgcc gtacgagtgt 360  
 gccgtggacg tggcgagac ggtggggctg ggcgacgtga tggacgcgtc gcgcctgggg 420  
 cccaaacggcg gctgtctcta ctgcattggag tacctggaaag ccaacctggc ctggctgcgt 480  
 gccaagctcg accccctccg cggccactac ttcccttctcg actgcccagg ccaggtggag 540  
 ctctgcacgc atcacggcgc ttgcgcagc atcttctccc aaatggcga gtgggacctc 600  
 aggctgactg ccgtccaccc cgtggattct cactactgca cagaccctgc caagttcatt 660  
 tcagttactgt gtacccctccct ggccaccatg ctgcacgtgg aactgccccaa catcaacctc 720  
 ctttccaaaga tgacactcat tgagcattat gggaaagctgg cttcaaccc ggactactac 780  
 acagaggttc tgacactctc ctaccctgc gaccacccctgg cttctgaccc tttctccgc 840  
 cactaccggc agctcaatga gaagctgtc cagctcatgc aagactatag ctttgcgttcc 900  
 ttatccctc tcaacatcca ggacaaggag agcatccagc gacttctgca ggctgtggat 960  
 aaagccaatgg gatactgttt cggagcccaa gaggcggaa gcttggaaac catgtatgtct 1020  
 gccgcaatgg gagccgactt ccatttctct tccacactgg gcatccagga gaagtacctg 1080

gcaccctcga accagtcagt ggagcaggaa gccatgcagc ttagcaaca aggtggaccc 1140  
 tggagagcag gatgcataat ccagcaactgg ggaaagtgga ggctcctgat gcaggctgca 1200  
 gacccaagag caagtccctcc cagccagagc tggcgggctg gcaagggat attcagctct 1260  
 gcaaaggact tctggccaaa aagccagaca tggtgccaa cagaacaccc cccatactgt 1320  
 cagtgggtgc cgtgagctct gggccctgcc accagaaaat cgagcactgg tcctagtcag 1380  
 gctgctgatg aatatgtcta caatacaaga gtttttttt tagaaaatgt cga 1433

<210> 14  
 <211> 1016  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 242269.2.dec

<220>  
 <221> unsure  
 <222> 74  
 <223> a, t, c, g, or other

<400> 14  
 attttttgc tcaaagtgc tactttattt ataaaagaga agatcaagag gttgcagga 60  
 atttttttt tttnaacaac aaatcaatgg tatgtgtccc aatctccttc ttctcttcc 120  
 tttagtgcaa catggcgcag cagccatcg gataaggctt gattcaaaa gacattctg 180  
 aaacctcacc tacagcagca ctctaggggt cccatttagg gtggctctt tttcttctg 240  
 cagccgattc tgaacccccc gagattttac tactttcatt ctcacccaa aaacttcatg 300  
 aatggccctc cggaaagcaat gaaaattata gtcattttc cctttctt caaagcttc 360  
 ctctctgaca aagcaaacga gagccaggaa ctttgcacc tctttttttt aaagcacgg 420  
 tgtatttata agctttatga tggctgtggaa ttccttgcata tagggggttc ctgctccatc 480  
 ttcttgaga ccataaatac aagagatgtc aataaccaca tctatcatat cacagcagag 540  
 ctcataggtt tgcatatcca ccggagttact atcagttgca atataaattt tactgaccac 600  
 atcaaataaga aatgcctttt caattccaga atttgagata aagatgttca gcaaatttc 660  
 cagagttggg agttgtggaa tcagttctg aacaactttt cttttttttt cttttttttt 720  
 atgatcatat atgctgtca gataaaagct gaggtgaatt tttttaatc cagcatctgc 780  
 aaggctatcg tttccctctt ggtgaatata tctttgggtt tcaattttgt ggtcatctga 840  
 cagaccatcc actttatgaa taaacaccc gaaatgttgc tcagtttca ctttgcggc 900  
 cttggtcacc gtgaggtggaa gcctggccag gccttccatg taatcatctt aggaccaaaag 960  
 gcaacgcctg tgagagaagg ccgcttgc tccctgagcct cccacacaca ctcttc 1016

<210> 15  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 432120.2.dec

<400> 15  
 gccagctgca ggacgacgac ggctttgag gggcagagca ggcgcattcatg caggatccca 60  
 atgaagatata agaatggaaat gacattttaa gagatttgg cattttccctt cttaaagaag 120  
 agtcaaaaaga tgaatgtt gaaatgggtt ttcgtttaca gaaagaagca atgggtaaaac 180  
 cattttttttt gatgactctt gcacatctt gaaatgggtt ttcgtttaca gaaagaagca atgggtaaaac 240  
 atatgcaggc tggtaaaaca tatagaaaga agcggtttaca gaaatggaaat gctttttttt 300  
 aaaaacaaaaa atttggagaa ttaagagaaa tttctggaaa tcagtttgc tttttttttt 360  
 caaatgcaga agaagatgtt tgggttataa ttcatttttttca cagatcaaga acttgcattttttt 420  
 aagctagcag aagttggagc aatacagact gatttggaaat aaaaaccccaaaaag aaaaagacatg 480  
 gtagatatgtt tggatcttc aatttagaaac acttgcatttttca cagatcaaga acttgcattttttt 540  
 aacagtgtata atgataccaa atagagagaa tatttttttttca atagtttttttca tat 593

<210> 16  
 <211> 919  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
<223> Incyte ID No: 198060.6.dec

<400> 16

gccgcgcg	ccgagggagg	agcggcgcc	gggggcccgc	tggcgcggg	gctccgaccc	60
tgcggcgctt	ggcgatggag	tttccggacc	tccggcgctca	cttttcggag	ccgagctgtc	120
agcgcttgg	tttctggcc	cttaagtgtg	atgcctgtc	aggcatctt	tgcgcagacc	180
atgtggctt	cggcccgagca	tcactgtgg	tctgtttacc	aaaaggatat	ccaggtacct	240
gtgtggccct	tctgttaatgt	gcctgtgc	gtggccagag	gggagcccc	tgaccgtgt	300
gtgggagagc	acattgacag	agactgtcgc	tctgatccag	cacagcaaaa	acgtaaagtc	360
ttcaccaata	agtgtgaacg	cgctggctgc	cggcagcgag	aaatgatgaa	actgacgtgt	420
gaacgctgt	gccgaaactt	ctgcatcaag	caccggcatc	cactggacca	tgattgtct	480
ggggaggggc	acccaaccag	cgggcgagga	cttgctgcca	tctccagagc	acaagctgt	540
gcttctacaa	gcactgtccc	cagcccaagt	caaaccatgc	cttctgtac	ctctcccgac	600
aggttaggcct	gcccgtttcc	ctgctccccc	ttttccct	tcacacctct	gacctccacc	660
tcttcatgt	ctgtcgtaga	gccacaaccc	gatctccgtc	ctggacagcc	cctccagtga	720
ttgcttgc	gaatggcctg	agtgaggatg	aagctctgca	gccccccctg	gaaatgtccc	780
tggcagaaac	caaaccggac	gttccaaagt	gtcaggagga	agaagaccta	gctttagcac	840
aagcaactgc	agccagttag	gcagaataacc	agcggcgagca	ggcccagagc	cgcagctcga	900
agccgtccaa	ctgcagcct					919

<210> 17  
<211> 643  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 460295.5.dec

<220>  
<221> unsure  
<222> 611, 621  
<223> a, t, c, g, or other

<400> 17

cgccggccgt	agggagaccg	cggctggcc	gtagcggagc	tgcgaggtgg	cagggccccc	60
ccccgaacca	gacaagggac	ccctcaagga	gtttcattct	agcaggagaa	aattgagaag	120
taaaccagaa	agagcctcat	tttacagatg	aggaaactga	ggctggctgc	gtgctcagag	180
ggtttgcgt	aggcctcaca	gccgcttagc	acagttacag	aatgtctgaa	ggggacagt	240
tgggagaatc	cgtccatggg	aaaccttcgg	ttgtgtacag	atttttcaca	agacttggac	300
agattttatca	gtcctggcta	gacaagtcca	caccctacac	ggctgtgcga	tgggtcgtga	360
caactggcc	gagctttgtc	tacatgatc	gagtttacct	gctgcagggt	tggtacattg	420
tgacctatgc	cttggggatc	taccatctaa	atcttttcat	agcttttctt	tctcccaaag	480
tggatccctc	cttaatggaa	gactcagatt	tgtgaggcct	gttagtccaa	agecttgagg	540
ggaaaaggta	gaactgtgt	ggaaatgaaa	agaggtcccc	tccctgtatgg	ttgctctgcc	600
ttacagatga	nggtccttcg	ntaccacca	aacagaacgg	gga		643

<210> 18  
<211> 4541  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 235983.6.dec

<220>  
<221> unsure  
<222> 933  
<223> a, t, c, g, or other

<400> 18

gtaggcgcccc	cgagccggct	gggctcaggg	tccaccagct	cacccgggtc	gaggggcaat	60
ctgaggcgac	tggtgacgcg	cttattccact	tccctcctcc	cgcctccccc	cgggggtggcg	120
ctcgctgggt	acgtagttag	tgtgtatggcc	ggcgcgaggc	cgggaagggt	aagtcaaggac	180
tggtggagtc	aacacagtca	atcaatagcc	aacctcaacc	tgagacagga	cagaagagaa	240



ttttcaatgt agccccctggg gaatgaatga aattttgagc ttcttcaata cgtaaaatta 4320  
 aatttataacc actgaggagg agacccttc taaaagaagt atggccaaa gcacttaat 4380  
 gctgctgaca ttgttgcatt tatgttcatt tgctggagcg caagacgtgc tgacacagt 4440  
 agtttctct gatgtatcca aggtgatgt a ttgttgcatt ttactcctgt atcattgctc 4500  
 ataataattgg aaactaaaat aaaacctagt tggaaatcct t 4541

<210> 19  
 <211> 1476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 238703.2.dec

<400> 19  
 agcaggccct ggcgcggca acatggcggtt gtccaggtgg aggtctttag gctatcagat 60  
 cggatgca ttgcgtccg ggcggccaa ggcggccggc tagctggctt cggggcagc 120  
 tcggcctgg gggcttcggg gcccggagac gcccggcgtt tgatgtgggc tgcgctcca 180  
 cggcggatgc cggagctcc tccccctggg taggtgtac gagatccctg gactggagcc 240  
 catcacctt gcgggaaaga tgcacttgcg gcccgtggctt ggcggccga tcttcggcc 300  
 ctgggaccgc ggctacaagg acccaaggtt ctaccgcgtt ccccttc acgagcatcc 360  
 gctgtacaaa gaccaggcct gctatatctt tcaccacgtt tgccgccttc tcgagggtgt 420  
 aaagcagcc ctctggctca ccaagaccaa gttaatagaa ggccttcccg agaaagtgt 480  
 tagccttgtt gatgtatccaa ggaaccacat agagaaccaa gacgagtgcg ttctgaatgt 540  
 gatctctcac gcccgtctct gggcagacca ctgagggaaat ccccaagaga gagacctact 600  
 gcccggtcat cgtggacaac ctaatacagc tggtaaaatc tcagattctc aagcatcc 660  
 ctctggccag gaggatctgt gtcggaaactt ccacgttttgc tgctacgtt aaccgagagt 720  
 ctcttcctt tcaatgcgtt gttctgggtt gggccggactt gageactaag gatcctctgc 780  
 ccaccatcgc ctccagagag gagattgaag ctactaagaa tcatgttca gagacctct 840  
 accccatatac accatcatc gatcttcatg aatgtatccat ttatgtatgtt aaaaatgaca 900  
 caggattcca ggaaggctat ctttaccctt atccccatcc cctgtactta ctggacaaag 960  
 ccaatttacg accacaccgc cttcaaccatc atcagctgcg ggccaaagatg atcctgtttt 1020  
 ctttggcag tgccctggct caggccggc ttctctatgg gaatgtgc aaggtcttgg 1080  
 agcagccctg ggtgggtcag agcgtggca cggatggacg tgtcttccat ttccctagtgt 1140  
 ttcaactgaa taccacagac ctggactcta acgggggtgtt caagaatttg gcctgggtgg 1200  
 actcagacca gtcctcttat cagcatttt ggtgtctccc agtgcataaa aagagaggtt 1260  
 ttgtggacc ttgtggccca ttgtgttca agccagagac attcagaaag ttttagtctc 1320  
 tatatttgc ttgtgtctgcg tgagcggagg accccctctga atcctgaaac ccctcttgcc 1380  
 tctcttcac ggaagagggc ctggggcccg tggagcctca gtgcccgttt ggcctgctgc 1440  
 tctcgctgac aataaaagagc ctttgcgtt cactga 1476

<210> 20  
 <211> 1574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 038751.5.dec

<400> 20  
 gtccgcgggg ccgcaggaga tgacggccgg cggccaggcc gaggccgagg ggcgtggcgg 60  
 ggagcccccgc ggcgcggc tccttcgtt ggtggcacgg ctgtgtcgg cgctcttcta 120  
 cgggacatgc tccttcctca tcgtgttgc caacaaggcc ctgtgtacca cctacggttt 180  
 cccgtcacca attttccttgc gaattggaca gatggcaggcc accataatga tactatatgt 240  
 gtccaaagcta aacaaaatca ttcaacttccc tgatgttgc aagaaaattt cttgtaaagct 300  
 gtttcctctg ccttcctctt acgttggaaa ccacataagt ggattatcaa gcacaagtaa 360  
 attaaggcta ccgtatgtca cctgtgtcgtt gaaatttccatc attccactta ctttacttct 420  
 gggaaaccatc atacttggga agcagtattt actcaacatc atcctcgtt cttttgcatt 480  
 tatttcctgg gcttcatag cagctgggtc tgaccttgc ttacttgc aaggctatata 540  
 ttttgcattt ctgtatgtca ttgttgcacgc agcaaatgaa gtttataccca aacagaaaat 600  
 ggacccaaag gagtagggg aatacggagt attttctac aatgcctgtt tcatgattat 660  
 cccaaactttt attttagtgc tctccactgg agacatgcac caggctactg aattcaacca 720  
 atggaaagaat ttgtgttca ttgttgcattt ttttttttgc gggtttgc 780  
 tgatgtactc cacgttctg tgcagctatt acaattcagc cctgacgaca gcagtgggtt 840  
 gagccatcaa gaatgtatcc gttgcctaca ttggatatt aatcggtgga gactacattt 900

tctctttgtt aaactttgtt gggtaaaata tttgcattggc agggggctt agatattcct 960  
 ttttaacact gagcagccag ttaaaaccta aacctgtggg tgaagaaaac atctgtttgg 1020  
 atttgaagag ctaaaagagtc tgcagcagga ttggagactg acttgtact gcgggcgtgg 1080  
 ggggcattcc cagtaggaat gtgaagccag aggttccgga ttctgtacat ccacccctg 1140  
 ggcaagttag agcatctgca aaatgcaaag agaactacact catatgcagg atgagccat 1200  
 ggcagtctca agaaaatgtac tcgggcgaca ctttacctgt gaaagcaaa tctttcaaa 1260  
 ataagccact gggactcggt aggtggagcc ccagctgctc ttcttagggac ctatggggcc 1320  
 ttctgtggcat ctctgtctg tttgtgggg aggaggttga ttaatgggtg actctttct 1380  
 gatcagcacc ttggccgtga ttcccaggt cccagccaaa gcaaaggggcc agttgttca 1440  
 gtttaaagac acatgtttt agtctaataa aattagttaa ctggcagtaa agttatgtt 1500  
 tagctttgat gaaagctatg ttggatctt tccctaatca tcaaagtaaa taaaaaaatc 1560  
 attctatgt aaaa 1574

<210> 21  
 <211> 1975  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 236099.4.dec

<220>  
 <221> unsure  
 <222> 1856, 1891, 1901, 1951, 1953, 1968  
 <223> a, t, c, g, or other

<400> 21  
 gactgggtga atccggaaatg gacccttagag aaacgagttt tggctgagga cccggcggc 60  
 agacgcagg tccggaccat gagctggatt ctttaaga ttgggcagcc caagaaacag 120  
 attgtgccc aacacgtgga gagagacttt gaaagggagt atggaaaact tcagcagctg 180  
 gaagagcaga cccggaggct gcagaaagac atgaagaaga gcacccgacgc agacctggcc 240  
 atgtcaaaat ctggcgtaa gatattctt gacttactt ccaatccccct ctgtgagca 300  
 gaccaggacc ttctgaacat ggtgacggcc ctggacacgg ccatgaagcg gatggatgcc 360  
 ttcaatcagg aaaaggtgaa ccagatccag aagactgtga tcgagccctt aaaaaagttc 420  
 ggcagtgtct tcccgaggct caacatggct gtgaagggc gggAACAGGC cttgcaggac 480  
 tacaggaggc tgcaggccaa ggtggagaag tatggggaaa aggagaagac gggccactg 540  
 ctggccaaagc tccaccaggc acgagaggag ctggccctg tgccggagga ctttgaagcc 600  
 aagaacaggc agctgttggg ggagatgccc cgcttctacg gcagccgcct cgactacttc 660  
 cagcccaagct tcgagtcctt catccagct caggagggaa ccacagggtg ccaggctccc 720  
 gctgtccag gttggagcag atggggggcc agggatgccc ttaaccagg cagcatgtct 780  
 gggggctgtt gactgcctt tggcccccag cctcccccctc gcccggccgg ctgcccattag 840  
 tcatggagaa gttgtgtact actcgaaat gcacaagatc tttggagacc tgcattca 900  
 gcttggccac ccaggccact ccgatgagca gcccggagccg gagaacgagg ccaaactcag 960  
 tgagctccgg gccccttc tttgtggccg tgaatgtatc cccgtcactc ttggagact 1020  
 cctgtgacgt ggtcagccctt attcatctt gccccttc tggcttagtgc ctcccttcac 1080  
 aggctggga cagagggtggc cctgggtcac ttggccggcc ttgtcaatga atgactttc 1140  
 ctgagccctt caccaggagc ccttaggcagg cccggcgttc cccactcaca gccccagcag 1200  
 gtaagcagtg tagacaaacc cttggggctt ttttattttt agaaccgtcc agcatgcac 1260  
 ctggcccacg gcctgagccaa gctgcagccc ttctgaggcc atgggttcg ttggctaagt 1320  
 tgggggtctt agccttgc tgcgttggg catcaaattt acctccaaaa gacccttc 1380  
 ggggagccct ctggccccc tttgtccctt cactcaaaa cctctttttt ctgggagagg 1440  
 ccctgaaccc tttgtggggag agctgttcc tccagccctgg caggccctca gccagcttcc 1500  
 cagcaagaca aaggggcacc tttgtggctt gggacctaag ttgggggggt tcccgaggc 1560  
 actgaggact ggtacccctgg gaacgcacgc tttgttggg actgtccac aagaattcac 1620  
 aggtctcaaa gcagggacag tgggttggg tttttttt tttttttt 1680  
 tcaagtaaaa ttttcaatga aacgttccaca tagtattttt ctgttaactt ggcgagcaga 1740  
 gggaaacccct tttttttt tttttttt tttttttt tttttttt tttttttt 1800  
 ccagcatgcc aggggtgtgt ggcacccctcc cccggccctgg cccacccctt ggagcnaact 1860  
 gcaccgttgtt ccagcagagg cgctgggtgg naggcacaac nggcaagctt aggagagtag 1920  
 gaagagctgtt ggaggacaca ctctcagttt ntnttaact ttggtttttt taaaa 1975

<210> 22  
 <211> 1028  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<221> misc_feature
<223> Incyte ID No: 350875.2.dec

<220>
<221> unsure
<222> 237, 242, 251, 255
<223> a, t, c, g, or other

<400> 22
cctcctccctc agggctccag tcaggccgat ccgctccgct cacggaagga aaacagaaaat 60
aacttgcgg cttgtctgga gtcacatgt a cttaggtgac aatttacaga aagtcatctc 120
tgcagcttga tggcgacaa ccctttcaa ccaaaaagta attcaaaaat ggcagaactg 180
tttatggaat gtgaagaaga ggagctggaa ccatggcaga agaaagtaaa agaagtrngag 240
gntgacgatg ntgangagcc aatctttgtt ggcgagat a caagttcaaa accagcaatt 300
tcaaataattt tgaacagagt taaccccagc tcatattcaa gggactaaa gaatggtgca 360
ctcagtcgag gtattactgc tgcattcaag cctacaagtc aacactacac gaatccaaaca 420
tcaaataccag tgcctgcctc accaataat ttcatccctg agttagatc ttcaagatgt 480
tctgttattg ttcaagcctt ttctaaacct gtaagtgtt ctaaaactat acggccagct 540
cagggatcca ttggatgtt tttatcaata tcaacagtagc ccaggatcaa ttctggactg 600
tcataagtag tcatccagta gaagcatagt tagcatcaga aaatgtcacc atatttcgc 660
tagctcaagc agtacccaa gtaataactg aaggagctaa ctacccaacc tgtaataaac 720
aggcagtatg cctaaatagg tacagtaatg aaaactatac tatcaaaaatg tgaataaaaat 780
tatagtcagc cataaaacatt gcataatgac aaatattaa gattgcagac gggaccagg 840
attcttaattt gggaaaacag tcaagtgacc atcatagctt tttattctga aaacattcct 900
tcatagttca gttagttaaa aaaaaacaaa cattttttcc tattacaaaa aactcccact 960
ttttttgtta caaaaagtaa tagaaaaatgg taatagttaa cattcattga gctgttaata 1020
tgtataag 1028

<210> 23
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 466521.5.dec

<400> 23
gcggcttgg caggtgggtg aagaggggag tccgggctt gacccggc ctgcacgtt 60
caggaccgccc cgccgtttctt ggcggaggag caactcgagt tcttagctt ggaggagaga 120
aacgctgtttt gttcccaccc agctgtgctt taggaagctg gccagccggg cctcctttag 180
gtgcgctgca gccttttca aagcgagtga atgtggcccg gcccctacag ttgcggcaggc 240
ccgctgtaaa agggttagat ttcaacttat agacgatcag tgggaaggcc tttccttagga 300
ggtaaccaga acagagagct gtaaactccg tgaatgcaag aggtgtctc tgtaactg 360
gtggtttca ctcatcttgc cttccattac ctcgtgatc caccattcca gattgaaatc 420
atggcaggtc cagaaagtga tgcgcaatac cagttcactg gtattaaaaa atatttcaac 480
tcttataactc tcacaggtat aatgaactgt gtactggcca catatgaaag cattgcattt 540
attgtcttat attcaagtt aaggtccaaa aaaactccag ctgtgaaagc aacataaatg 600
gattttaaac tgtctacggt tcttaacctc atctgttaag ttccatgcc tggagaagct 660
aatgccaact cat 673

<210> 24
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 466521.6.dec

<220>
<221> unsure
<222> 440
<223> a, t, c, g, or other

<400> 24

```

gtggttacat tcgttgaagg acaccagctg cggaaatttc ggctttggca gctgtttgtt 60  
 cccaccgagc tggcttttag gaagctggcc agccgggcct ccttaggtg cgctgcagcc 120  
 ttttcaaaag cgagtgaatg tggccggcc cttacagttc gccaggcccgt ctgtaaaagg 180  
 gtttagattt cgttatatacgatcgtgg gaaggccctt ccttaggaggt aaccagaaca 240  
 gagagctgtaa aactccgtaa atgcaagagg ctgtttctgt tacctgagtg gttctcaactc 300  
 atctttgcct tccttacactc gtgatctcac catccagacc cagctgagtc actgtcaactg 360  
 cttaccaatc tcgaccggac ctcgaccggc tcgtctgtc tgccaaatcga ctcggcgtgg 420  
 cgtcggtcggt ggttagatagn cggtcatgca tacgaattt cagctcttgc tctggtgacc 480  
 ttttgaatac gtcttgccta taaaagaaat tcatgcctt gtaaaataca cagattgaaa 540  
 tcatggcagg tccagaaagt gatgcgcaat accagttcac tggattttaa aaatatttca 600  
 actcttatac tctcacaggt agaataact gtgtactgca cacatatgga agcattgcat 660  
 tgattgtctt atatttcaag ttaagggtcca aaaaactcca gctgtgaaag caacataaat 720  
 ggattttaaa ctgttacgg ttcttaacact catctgtttaa gttcccatgc ctggagaagc 780  
 taatgccaac tcatcatgtg ataattcaat ttgtacaata aattatgaaac ctgg 834

<210> 25  
 <211> 1471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 474522.8.dec

<400> 25  
 agaaaatgact gtgggtggagg aagcggatga tgacaaaaaa aggctgctgc agattattga 60  
 cagagatggg gaagaggaag aggaagagga ggagccatg gatgaaagct cagtgaagaa 120  
 aatgatccatc acattttggaa agagatcata taaaacccaa gaattgcggg ttaagttcc 180  
 agacaatcca gagaagttca tggaaatccgaa gctggacacta aatgacatca ttccaggagat 240  
 gcacgtgggt gcccacatgc cagacctgta ccaccccttcgt gttggagctga atgctgtaca 300  
 gtcgcttcgc ggttgcgtcg gacacgataa tacagatgtg tccatagctg tggtcgattt 360  
 gcttcaggaa ttaacagata tagacaccct ccatgagagt gaagagggag cagaagtgt 420  
 catcgatgct ctgggtggatg ggcagggtgtt agcactgctg gtacagaatc tggagcgcct 480  
 ggatgagttt gtgaaaagagg aggccagatgg cgtccacaac actctggcta ttgtggaaaa 540  
 catggctgag ttccggcctg agatgtgtac agagggtgcc cagcagggtc ttctacagt 600  
 gctgttggaa aggttgcagg caaagatgcc ttttgcgttca aacaaactgtt attgcagt 660  
 agtgcgtggc catattgttc caggacaatg atgaaaacac ggaattgtt ggggagctgg 720  
 atgaaatcga tggctttttt cagcaggatc ttgtgtttaa aagacacaaat cccagcacgg 780  
 ctgaggagca ggagatgtatg gagaatctgt ttgtttccctt ctgcctctgt ctaatgttta 840  
 gttccaatcg tgagcgttcc ctgaagggcg agggtcttca gctgtatgaaat ctcatgtca 900  
 gggaaaagaa gatctcccg agcagtgtccc tggaaatgtctt gggaccatgccc atgattggcc 960  
 ccgaaggcac agacaactgc cataagtttgc ttgacatttctt tggcttacga accatcttc 1020  
 cccttttat gaaatctccc aggaagatca agaaaatgtggg aaccactgag aaggaacatg 1080  
 aagagcatgt ctggctcgatc ctggcttccc tcctgcggaa cctgagaggg cagcagcgg 1140  
 cccggcttctt gaataaatttcc actgaaaatg acagtggagaa ggttgcacaga ctaatggagt 1200  
 tgcattttaa atatctgggt gcaatgcgg tggcgacaa gaagattgaa gggaaaaaac 1260  
 acgacatgggt ccggcgagga gagatcatgc acaatgacac cgaggaggat ttctaccc 1320  
 ggcgcctgga tgccccggctc tttgttctcc agcacaatctg ctacatcatg gcccggatct 1380  
 gcaatgccaat tggcccccacatccatgc gggttcacca gatcctaaac atgcgaggaa 1440  
 gtcctatgtt taggatctgg tgaaccctctt g 1471

<210> 26  
 <211> 1358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 231583.3.dec

<400> 26  
 tcagctccgc gcctaagggtg tctatttagtg cgccctgcgt gtgacctaga atggggcgtat 60  
 gcgccgagcg gaactggctg gtttggaaac catggcgtgg gtaccctcg gaggccgcag 120  
 tggaaaggat gatgcctcggtt ctattggccgg tagaccccttg cgacttgacg gaagggttcc 180  
 atccctcggtt acccccgagg acgcctcagg aataacatgg gcccggccatc atcgaagcag 240  
 ctcaatgtcc agatgttgcgtt gtagctaaa ttgaccctaa gaagttgaaa aggaagcaaa 300  
 gtgtgaatat ttcttcttca ggatgccaac ccggccctga aggttattcc ccaacacttc 360

aatggcaaca gcaacaagtgc gcacagttt caactgttcg acagaatgtg aacaaacata 420  
 gaagtcactg gaaatcacaa cagttggata gtaatgtgac aatgccaaaaa tctgaagatg 480  
 aagaaggctg gaagaaattt tgtctgggtg aaaagttatg tgctgacggg gctgtggac 540  
 cagccacaaa taaaagtccct ggaatagatt atgtacaaat tgggtttcct cccttgccta 600  
 gtattgttag cagaatgaat caggcaacag taactagtg cttgaaatat ctgagtaatt 660  
 ggtttggaga aagagacttt actccagaat tgggaagatg gctttatgtt ttattgtctt 720  
 gtcttggaaa gccttggta cctgaggctc attcaactgat tcggcagctt gcaagaaggt 780  
 gctctgaagt gaggctctt gtggatagca aagatgtga gaggggttctt gctttgaatt 840  
 tattaatctg cttgggttagc aggtatttt accaacgtga tttagctgat gagccatctt 900  
 gatgtagctg atctctcagg gatagaagat atttctcatg aaggcagctt aactctgagg 960  
 aaaacaatgc caattcaagt acagattca acacatctt aacactatgt gaaggggtca 1020  
 catcttaacc tggatggatc agattgatc tcagaatatg ggttggatgg aatatctgaa 1080  
 atatcaatgg aaaatccac tcagttttt atgaacaggat tgaacagttt tctgtatca 1140  
 agcagcttgc atagaaattt tatgtgaaa tttacatag gttcttgggt ctgtttgtt 1200  
 cttttttgtt tttttgtgt tttgttattt acttatatac atataaaattt ttattgaaaa 1260  
 tatgttttgg ttactaaaat tttgttgc tccataacaaa agacaatgga tggccttagc 1320  
 atcagaattt aaataatctg gattaaatgg caatgtgt 1358

<210> 27  
 <211> 1977  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 215051.5.dec

<220>  
 <221> unsure  
 <222> 151  
 <223> a, t, c, g, or other

<400> 27

gtggcggcag ctgacgcttg tggcggcggt ggcttcgggg tggcgtaag atggcgacag 60  
 cagcgcagg acccctaagc ttgctgtggg gctggctgtg gagcgagcgc ttctggctac 120  
 cccgagaacgt gagctggct gatctggagg ngccggccga cggctacggt taccggcg 180  
 gccggcacat cctctcggtg tttccgctgg cggcgggcat cttcttcgtg aggctgtct 240  
 tcgagcgttatttccctgtc acctgtcacttccgttatttgg catcgaggac agtggctctt 300  
 atcaggccca acccaatgcc atccttggaa aggttcatatcatttacc aagtatctg 360  
 ataagaaaag gctggagggc ctgtcaaagc agctggatttgaatgtccga aaaatccat 420  
 gctggttcg ccatacgagg aatcaggaca agcccccaac gcttactaaa ttctgtgaaa 480  
 gcatgtggag attcacattttatgtat tatttgcata tggaaatttgc tttctctggt 540  
 cgtcacccctt gttctggac atccgacagt gctggcataa ctatccattt cagccctttt 600  
 caagtggctt ttagtactat tatatacatgg aattggccctt ctattggccctt cttatgtttt 660  
 ctcagttttac agacattaaa agaaaggact tcctgtatcat gtttgcata cacttgcata 720  
 ccattggctt tatctccctt tcctacatca acaatatgt tcgagtggga actctgtatca 780  
 tggcataca tggatgttca gacttgc tggaggcagc caaactggcc aattatgcca 840  
 agtacggcgc gctgtgtac acccttttgc tggatgttca tggatgttcat atggttacac 900  
 gacttaggaat ctatccattt tggatttgc acacgaccctt ctttgcata tggagataa 960  
 tcggccctta tggatgttca tggctcctca atggcctgt gctgaccctt cagcttgc 1020  
 atgtcatctg tggatgttca tggatgttca tggatgttcat atggccttgc tggatgttcat 1080  
 tatttgcata tggatgttca tggatgttca tggatgttcat tggatgttcat tggatgttcat 1140  
 gcaaaaaaaat tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1200  
 tggggggccat tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1260  
 gacttgcattt tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1320  
 atggggggat tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1380  
 aaaaatgcattt tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1440  
 tggatgttcat tggatgttcat tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1500  
 gggggccat tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1560  
 gttccacattt tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1620  
 ctggcctt gacactctaa acccctggac catctgaatg gagcagccaa gttcagcccc 1680  
 acatctgtt actgttccctc tttcacatgt gaaatatgtc acatgtatgaa gttgtataga 1740  
 aacagaacca tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1800  
 caatcacctg atagcaacag ggacagctgc caataccctg ctcttactc aatggtaacc 1860  
 agggaggggat tggatgttca tggatgttcat tggatgttcat tggatgttcat tggatgttcat 1920  
 gagctgttca cggttata ctattgttgc tggatgttcat tggatgttcat tggatgttcat 1977

<210> 28  
 <211> 1447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 277726.5.dec

<220>  
 <221> unsure  
 <222> 1428  
 <223> a, t, c, g, or other

<400> 28
 

gtggccggat	gttcgggtca	gctgccagat	ccgctgatct	agtgcgttctc	aaaaaaaaacc	60
ttcaggccgc	ccatggattt	atagcccggt	cacaaaggcg	aggaccgctg	aaaaaaaaatg	120
gaatcttaaa	acttttagcca	tcgttctgtta	aaggaaatga	aaggagaaat	tcaacagtcg	180
cttggagcct	gggttttgcgt	tactgtcgat	attcaaccag	catgccttgg	actttattgt	240
ggaaagagcc	tatttatttaa	aaatggctca	actgaaatat	atggagaatg	tggggtatgc	300
ccaagaggac	agagaacgaa	tgcacagaaa	tattgtcgc	cttgacacaga	atctccctgaa	360
ctttatgtatt	ggctctatct	tggttattatg	gcaatgcgttc	ctctgggttt	acattggttc	420
ttcattgaat	ggtaactcggt	gaaaaagagt	tccagcgcac	tttccaaca	catcactgca	480
ttatttgaat	gcagcatggc	agctattatc	accttacttg	tgagtgtatcc	agttgggtt	540
ctttatattc	gttcatgtcg	agtattgtatg	ctttctgtact	ggtacacgat	gttttacaac	600
ccaaagtccag	attacgttac	cacagtagac	tgtactcatg	aaggcgctca	cccaactata	660
accattgtat	ttatcttata	cgcattctgc	ttggattttaa	tgatgtctgt	ccgacccctt	720
ctggtaaga	agattgcgt	tgggttaggg	aaatctgtatc	gattttaaag	tatttatgtct	780
gcactttact	tcttccaaat	tttaaccgtg	tttcaggcag	tttgtggagg	cctttata	840
tacgccttcc	catacattat	attatgttta	tctttgggtt	ctctggctgt	gtacatgtct	900
gcttctgaaa	tagagaactg	ctatgtatctt	ctggtcagaa	agaaaaagact	tattgttctc	960
ttcagccact	ggttacttca	tgcctatggaa	ataatctcca	tttccagagt	ggataaactt	1020
gagcaagatt	tgcccctttt	ggcttggta	cctacaccag	ccctttttta	cttggttact	1080
gcaaaaattta	ccgaaccccttc	aaggataactc	tcagaaggag	ccaatggaca	ctgagtgtag	1140
acatgtgaaa	tgccaaaaaac	ctgagaagtg	ctcctaataa	aaaagtaat	caatcttaac	1200
agtgtatgag	agttattcttca	tcatatatgg	gaacaagatt	gtcagtatata	cttaatgttt	1260
gggttgttctt	tgttttgcgt	atggtagac	ttacagactt	ggaaatgca	aactctgtaa	1320
tactctgtta	cacaggtaa	tattatctgc	tacactggaa	ggccgctagg	aagcccttgc	1380
ttctctcaac	agtcaactgtc	ttaaggcaaa	tcatgttctg	tgtcctanca	tgtgtcccat	1440
tataaga						1447

<210> 29  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 978637.1.dec

<220>  
 <221> unsure  
 <222> 400  
 <223> a, t, c, g, or other

<400> 29
 

gccggaaagac	cgtcccccggat	ggcctcgaaaa	actgccagt	tgtggaggt	agctccggga	60
ttggccggcat	tcccgcttct	gttggttgc	tcatgctca	ggctgcggcc	gtcagccctc	120
gctcgcat	gtggcgctga	ggtgcgggg	cagcaagtg	catgtcg	ggcctcccg	180
ccgctgactt	cccccgctgg	aagcgccaca	tctcgagca	actgaggcgc	cgggaccggc	240
tgcagagaca	ggcggttcgag	gagatcatcc	tgcagtataa	caaattgt	aaaaagtcag	300
atcttcattt	agtgttggcc	cagaaactac	aggctgaaaa	gcatgacgt	ccaaacaggg	360
acgagataag	tcccgacat	gatggcacat	ggaatgacan	tcagctacaa	aaaatggccc	420
aactggat	taagcaccaa	gaggaactg	ctgaattaca	caagaaacgt	ggggagttag	480
ctcaacttgtt	gattgacctg	aataaccaa	tgccggaa	ggacagggag	atgcagatga	540
atgaagcaaa	aattgcagaa	tgttccagac	tatctctgac	ctggagacgg	agtgcctaga	600
cctgcgcact	aagcttggaa	acccttggaa	ggagccaacc	agacctgaa		650



ctgtttcttg tggagtacct tttgtgtct gggacttgt aataatggtg tttccttaggg 1320  
 ctccctccag ggcctctgc ctcactaact ggatatactt ttcttgagca aatcccagga 1380  
 aacttgcgtc agaccgtac ttcaaataca ggttgataaa tgctaaactg tctccaaacc 1440  
 agacttcattc ctagcctcca caccagaca cccaactgtc atggatcaac tttttagaat 1500  
 atcctcactt caaactgacc ttacctaaaa taatgacttt ttcccccaat aattgcccct 1560  
 gctatattcc ttatctga atggtacctc ctagctata agattatctg aggagcttac 1620  
 taaaaatgctg attctgaaga taagggcat ggcttaaga ttctgttatt ctggcgagta 1680  
 cccaaactggt gctcatgtc ctgattgaga accacttctg aatatacgaa ggctgtaaat 1740  
 tatccactac gtgcctcgat aattgtctt gttcaagccc agattattgt agtagactta 1800  
 gtatctttt gccttagttt atctgtgacc cctccaat ctttccaca ctgttgctt 1860  
 agtggcccta gtaaaattca agtctggta ttatcttcc ctgttgaa ttctcaatg 1920  
 tagaataaaa ctcattcagc attaacatc agggccctt tgatctgaca tcgtgtttct 1980  
 ctatgttgcatt aaaaatcc ccaactatgaa gttgtttcat ccgttaagtt ctttgaaccc 2040  
 agaagcccccc tttctcatat gtttctcatt cttgtttgcc ctccagagtt cagcttagt 2100  
 tgctaaacaca ttccagacatc cctctgactt agatccccca ctactgttt tctgtgagaa 2160  
 gcagctatgc ataattcctc ttcaacacag tagttcttga aattttgcag gcctctctg 2220  
 gaaaggagga aatgacttct ctgactttgt atgatgctt tttgttgatg aatggcaag 2280  
 ggaaaaaatg aaggaacaag tgaatgaaca gtatggagt atgagaaaaag gtataaattg 2340  
 ggtatagttt agaaaaggat tcaaattgtat ctttggctcg agagacaatt tcatcttct 2400  
 gatgaattha aagtgtatgc tttgaaccag ctgggcttaa ttatgtaaag ttttgagct 2460  
 gagataagca cacaatcaca aaacctaccc aaacaagttt tttgtttcac ttcatcttct 2520  
 ataaaaacaaat gttctaaatg aagtgtatagg gatgtctcatc attctgtctc ctattatcac 2580  
 aatgaaaaca atcataaaata gtacacagga aaggtgagaa atagcggata gttcttattt 2640  
 catagtactg tatatggaaa taaacccaaat ttgctcatag agatactatt ttattacctc 2700  
 aaaaatataat aaaaatgaaa acgttatgaa aatattttaa aatgggatt aaaaataatt 2760  
 gagaacatca cagcaattta gaatactaaa gagcatagct taaaatgtat agtgctgaga 2820  
 actccccacc tctacccac cacctgttagg cttctttgac aacttacaaa tggctcttag 2880  
 ttgtatcta gaatacttta tatcttcaaa ataaaccaac ttgtt 2926

<210> 32  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 334406.5.dec

<220>  
 <221> unsure  
 <222> 42, 45, 190, 197  
 <223> a, t, c, g, or other

<400> 32

gtataactcc actgggagag agtcaggaag cttgtgcctg gnctncctct gactgtactg 60  
 agtccctgcga gtcctccctg cctgtcgccgg aacctgggt gggcttgggg acccccacca 120  
 cagccccca gagccccctt cctctgcctt gtcctgcctt tgcttctgaa aataactccc 180  
 ccaacgtttn cttectnccc tgcagaaaaat ctaccggccg gactttgacc catcaaagat 240  
 ccccaactc aagctccccca aagaccggca gtacgtgggt cggtgtatgg cccccttcaa 300  
 catgaggtgt aagacgtgcg gagaatacat ctacaagggg aagaaattca acgctcgaa 360  
 ggagacgggt cagaacgagg tctacctggg cctgcccattt ttccgctttt acatcaagt 420  
 cacgcgtgc ctggcagaga tcaccccaa gacagaccct gaaaacacag actacaccat 480  
 ggagcatgga gccacgcggaa atttccaggc tgagaagctc ctggaggagg aggagaagag 540  
 ggtgcagaag gagcgggagg acgaggaggt gaacaacccc atgaaggtgc tggagaaccc 600  
 gaccaaggac tccaagctgg agatggagggt gctggagaac ctcaggagc tgaaagac 660  
 gaaccaggcg caggcgcacg tggacttgcg ggtctatgtc aggccagcacc gctgtcgga 720  
 ggaggaggcg cggaggcgc acgaggagga ggacggccgg gagaccggcgg ccctgttgg 780  
 ggaagccaga aagcgaagac tgctggagga ctccgactca gaggatgagg ctgctccctc 840  
 gcccctgcag ccagcccttc ggcccaaccc caccggccatc ctgggatgag gccccaaacg 900  
 ccaagaggaa ggtggagggt tgggagcaga gcttggcag cctggcagc cggcccccg 960  
 tgtcgaggct ggtcggtt aagaaggcaa aggccgaccc ggactgcagc aacgggcagc 1020  
 ctcaggccggc ccccacccca ggagccccgc agaacaggaa ggaggccaaac cctacacccc 1080  
 tgacgcctgg cgcgtctcc ctgagccaaat tgggtgcata cctggacagt gacgacagca 1140  
 acggcagcaat ctgagccctc ccaggacccc ctcacggggta caaagtccaca cgtccagctt 1200  
 cagccacatt gaggccagca ttgctgggtt ctagggcagg aggcccttggc gtgactggag 1260  
 gccggacaga caagcgcac cgtgcctcaa cacaatgggc caccaggggc ctcagccccca 1320  
 ggaggcttccct tctctgtgcc ctcaccagcc tctcaacacc tcgggaccc ctgctgtcc 1380

tgcccccacc tgcactgtg cttaggcgtg caacatccct ggagcagctt ccaacactac 1440  
 ttcagggtgg cagtgttgg ggcactggc gaggctggc gcctctagat ggctcatct 1500  
 cttcttcca caaactgtct agaaccata aaaggaaacc tgccaacc 1548

<210> 33  
 <211> 2278  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 411429.8.dec

<220>  
 <221> unsure  
 <222> 1103, 1115  
 <223> a, t, c, g, or other

<400> 33  
 gaaacagcct cggccgcct acgcgggacc caaccgcggc gaccgggacg tgcactcctc 60  
 cagtagcggc tgacgtcg gccaatggcc cgctatgagg aggtgagcgt gtcggcttc 120  
 gaggagtcc accggggcgt ggaacagcac aatggcaaga ccatttcgc ctacttacg 180  
 gtttctaagg acgcgggggg gaaaagctgg tgcccccact gcgtgcaggc tgaaccagtc 240  
 gtacgagagg ggctgaagca cattagtgaa ggatgtgtgt tcatactact ccaagtagga 300  
 gaaaaggcctt atggaaaga tccaaataat gacttcagaa aaaacttgaa agtaacagca 360  
 gtcctacac tacttaagta tggAACACCT caaaaactgg tagaatctga gtgtcttcag 420  
 gccaacctgg tggAAATGTT gttctctgaa gattaagatt ttaggatggc aatcatgtct 480  
 ttagtgcctg atttgttcta gtataaataa actgtataact tgcttgaat tcatgttagc 540  
 aataaattgtat gtaaaaaaaa ctggcatgtg tctaaacaat agagtctat taaaatggccc 600  
 atgaacccctt attttgcctg taatacatgg atatTTTAA gatataaaga agtcttcaga 660  
 aatagcagta aaggctcaaa ggaacgtatt cttgaagggt acggaaatac ctaaaaactc 720  
 ctaaagggtgc agagcacacc ttccaaatct ctcaaaagat cagtatctt tattttaaatg 780  
 tatctccatc tgcaagcaaa ctgatgatat tccgtaaacc ccttcttga ttttggatg 840  
 tagaacctaa ctcaccact gaagggaaagc acatgaccctc taatcttagcc tctgcttaat 900  
 tcaggcagtt ttgtttgtt taataaaaaa cagactctg agcactagaa gcagtttgc 960  
 ttgcagctgt ctcaatgtgc ttacttggg atgaggcagg tggcggagag cggccggaaa 1020  
 gactctataa cccagggtgtg ggaagaaactc caagctggc gtcaactc 1080  
 cactactaa gctgtgtAAC canagcaag ttacncaccc cgtccaaacc tcagtttct 1140  
 cttctataaa caagggtctt agaataaaa gagaattcaa ggaacgtt aacatagcac 1200  
 ctgggttgc gtacctccca aatcaatggt agtttccca aatgaacaca agtatttgc 1260  
 gctcctcatg ttgttctaa agtcaagagt ccagtttagta actaaccact agttgtcctg 1320  
 ccatgactag gtcaagtgg gccacagtga ttcaactgtt cttaaagcca cttgcaaaag 1380  
 caggtaatac agttatttc tgcctgcag aattcaagaa ctttatgca gttcctgtcc 1440  
 tatgatttaa agaggtcagt gactccgcta ctctcaactc atcttagagt agagtggtag 1500  
 agtagttgat ctgagacagt aagggtccag gagatggct tgcctacta tatgtcagga 1560  
 acagctagcc ttagaatttca gtatactgg tggcccaacc ctacccatg ccccagtgcc 1620  
 ttatTTTGTc taaaggcacct aacttttcca ttcttaatca gctgattatg ctaaatgcgt 1680  
 aaaaaagaaa aacacccttac aaatccacag gaaaatcaa gaacaattca ggttaacag 1740  
 aaatagtcta ttaacaataa aaagttggat gaaaagcac actaaagggtt ctaggggcta 1800  
 ccataataaa ggtagatagg aagaggTTTc attttttttgc tcttactgt acaaaaagaaa 1860  
 tacattatata catgttata agtgcctcg ttttgcattt tcccgtatgt 1920  
 ttatTTTGTc gtgcgtgcgt tgccaaaggct tgctgaaggc gcatccgctt ccggaaatag 1980  
 tgctgccaat gttagaatctg ctgttcatca ataaatttcg cacactgagc attcaccagc 2040  
 tcctttcgga agtggcata ttggagcagg tctaacatgt gtaaacactg agggtacaat 2100  
 taaggttaatt tgggttggct aaacattgca caaatttcaa ctccaactga aaccgaagtc 2160  
 gatttccaggc atcatgtgc tccatagcga cagcagcggc cataacaaac gaagacacca 2220  
 aaacgcccacc agcctgacag agcaaaaagcc cagagacgcg ggcgaagttc cggaaacc 2278

<210> 34  
 <211> 2215  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 320674.7.dec

&lt;400&gt; 34

cggcgggtca cgtgacgcgg tgcctggcgc cgagcctccc aagatggcgg tttgcacgc 60  
 ggtgattgcc aaggagaatt accccctcta cattcgacg acccctacgg agaacgagct 120  
 gaagttcac tacatggtgc acacatctt ggacgtggg gatgagaaga tctccgcaat 180  
 ggggaaggcc ctggtcgacc agagggagct gtacctggc ctgctctacc ccacggagga 240  
 ctacaaggtt tacggctacg tcaccaactc caaggtgaag ttttcatgg tggtagattc 300  
 ctccaacaca gcccctcgag acaacgaaat tcgcagcatg ttccggaaagc tacacaactc 360  
 ctacacagac gtatgtgca accccttcta caacccggg gaccgcatcc agtccaggc 420  
 ctttgataac atgtgacgt cgatgtat acaggtgtc tgagttagct gtgctgccag 480  
 ccatcgaga ggagcccgcg cacgactgtg gtggggccgt cggtctgttc tggttgcctc 540  
 ttcttgcgtt ggacgctgg ggcttcagg gcaggcagct gtgcacgtt tctcaactaa 600  
 aggtcttgc agaggagatt tggcttttc ctccgtgtc agcaaggat ttaattaaaga 660  
 agaattcaac taaggactt tctgggggtt gggcagaggt ttggatcatc atggcgcagg 720  
 tagcctgtcc tcagttgtcc caaaggggca gaggcagggg tgcctggagc caagaggttc 780  
 tgagcctgca ggacctgtga ccattgtggg caccactgg ctgaacaggt gggctggctc 840  
 ggaggggggtg gcctcctgag cccagaacca gcctaggatc taggggcaca aggggagccg 900  
 gctggcttc ccacaggggg gggccctctt ctttctggac ttggcctcca ttctttgcat 960  
 ctggctcaat gtctggattc cggccggct taaaaggagc ctttgcgtaaa cctggaaagc 1020  
 ctcgtggccc cgccggcttg gtcagctgc agccctggc ctaaacctt gagcgcagac 1080  
 ttgaggacc ccctcctggc tggctgtgtt gagggggtt ggtgtgtgt cacttgatga 1140  
 cgtggctgc taccacccag ggcagcggcc gacccatag tggctgtgtt gccgcccggc 1200  
 tcctgggtt ccagcggtca aggctcagcc cgctggggg accccccccgg agttggttcc 1260  
 agcaactgatc caggactgga gagtttctca aggaccttga ggaccccaga agcccttgca 1320  
 gcagggaaagg ctgtaaagggg gggtcagctt agggcaggac ctggggaggg gaaatttttt 1380  
 gatacgtatt tgcctttca tcccatctag caagcacagt gttaaattttt gaaattatag 1440  
 aaaaaaaat cagaaggag tggggaaaa ctgcatttccc caggcctccc ccgcccagg 1500  
 gtgaatttga agtccctggaa tggggccgagg cacaccaggc agctgtatctt ggtgcattgt 1560  
 gcccacacac cactctcaca aggttaaaatc ttaacaaga gcctcatgtt tggtaggaga 1620  
 aggtgggacc ccagcccaag cacttccca tgcagccctg gcatggaaatc tttgcctttt 1680  
 agtggggatc actcttccc ggttccctgc tgggtgggg actctgcattt tgcttaaccc 1740  
 agcgtccatt ctcttcctc cgtactaaca gaaccccggtt gccttgcattt agttcaata 1800  
 gccccccggc gagagccatg tccctggctc ctttgcaggcc cgggggtgtc agctgtggcg 1860  
 tggaggtggg tggctgtggg agagacttgc agggaaagctc ctgtaaagggg gactcaactg 1920  
 ccacatgcac gacccttccc ctttgcattt tccctgcattt gaacatggat gtgatggctg 1980  
 gtgctggac agctgttctg agagcgttag gaaagggtca caccctaagg acagtggagc 2040  
 agaacacacgg aaggaccctg ggcctttgtt gacgcagaac gccccccggc 2100  
 ttgctgacgc agaacgcggg aaggaccctg ggcctttgtt gacatacccg ccccaacta 2160  
 cttaaatca gttttttttt taatgtgaga aaataaaatgc acccctctctt gttt 2215

&lt;210&gt; 35

&lt;211&gt; 912

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 197267.1.dec

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 24

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 35

cgtgctgcag ccggccgtgc tgcngtctt gctggcgtcg ctgtggcgg cgctgcccgt 60  
 cggtggccaa gagggctcgc cgctgcgtcc cgccgcggc acgttgcgc cgccgcggc 120  
 cgtgacgaaac gggagccagc cggccgcgc acacaacagc acgcacacgc gtccgcggg 180  
 ggcgtcgggc tcggcgtga cgcgttccctt ctacgtatc ctgggttttgc gcccgcctac 240  
 cgcgttccatc ttcttgcattt gggcggtttag gttgaagaag ctttgcggaa ggcgataacgg 300  
 ctttgcatttcc aacactgagg accccacggaa gatggcctcg ctggacagcg acgaggagac 360  
 ggtcttttag tcccgaaatc tgagatgttgc tgcggccagg gaggcgcccc ttccaggcagc 420  
 catgaggaa ggacaggaga tggggccac cccagtgccc agcaacccccc tgctccaccg 480  
 ctcattttttc tgctggccccc ggggtgttgc tcacccatgtt cccagcaacc ccctgcctca 540  
 ccgttccatc ccctgtggc cccggggctg gtcttccatca gtccaaaccc gagatgttcc 600  
 ttggaaacct gcacagcccg cccacactgtt gccacactgca cccacccgtg gaccatgcag 660  
 cctcgccctcc tggatgtgtt cccacactgg cccgggggttcc cagggtgaaga ctggaggac 720  
 cccaaacagcc accggccagg acgctgaggc tccctgcctt gactgtgact tggcctctc 780

tcctgcccc gttggggacat ggcagcccaag agccaaggct ggggtgggcag gtgaccctaag 840  
 gaaccttctt gggAACACCT tctcgggg ctggaaacaa taaatgcagc catgtctctg 900  
 cagctggtgc tg 912

<210> 36  
 <211> 2730  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 332335.1.dec

<220>  
 <221> unsure  
 <222> 2448, 2470, 2477, 2486, 2493, 2511, 2548, 2566, 2574  
 <223> a, t, c, g, or other

<400> 36  
 ggagggacag cgaacgtttc ctctctgtc cctgaatcgg aggaaggccct aggggaccc 60  
 tttctctgg acattgaaga tatggccctt tggaggtgac ccaggagaga agggatgaag 120  
 gccttggtc ctccacatga gggcccccctc caaggactcg tggctcccg cattgagact 180  
 tatgggggcc ggcacatcgac ctctgctcag agcactactg gcagactcta tccccgagga 240  
 taccctgtgc tggatcccag tcgcccacgc ctccacgcgt atgtccctt tgccaggggt 300  
 tctggccagg cccgaggcct gtcacccatg agactgcgag atccagagcc cgagaagagg 360  
 cacgggggcc atgtggggc tggctgctt cactcccca aactcaagga actcaccaag 420  
 gcccacatgagc tggaggtgag gctgcacact ttcagcatgt ttggatgcc ccggctgccc 480  
 cctgaggacc ggcggcactg ggagatagga gaggggtggcg acagtggcct gaccatcgag 540  
 aagtcttgg aggagctggt gcctggccac aaggagatga gccaggagct ctgcccacca 600  
 caggaggccc tggggagct cctgaccacc gagctgatct acgtgagaaa gctcaagatc 660  
 atgactgatc tgtagccgc cggcctgctg aacctgcacg gagtgggact gctgatggaa 720  
 gtgtcagctg agaccctgtt tggaaatgtc cccagcctga ttcaaccctt ccggagcttt 780  
 tggatgagg tgctggggcc caccctggag gagactcggg cctcgggcca gcctctggac 840  
 cccattggc tgcaaaagtgg cttectgacg tttggccagc gtttccaccc ctatgtccag 900  
 tactgcctcc gaggtaagca gaccatggc ttacgcccga gaacagcaag aaactaacc 960  
 tctcttccat gccttcgtgc agtgggtgtga gaagcacaag cgctctggga ggcagatgct 1020  
 ctgtgacttg cttatcaagc cccaccacgc catcaccaag taccactgc tgctccatgc 1080  
 tggctcaagc aggagcccccg aggacacgac ccaagaggcc ctgaaatgcca tgattgaagc 1140  
 ctggagatca ttctcgacg acatcaatgg cggatggccgc caggccgaaag agcaagagag 1200  
 cttggcgct gcacacaaac gcatggggcc ctacggatg ctggagccac ccagtatgaa 1260  
 ggtggagaag aacctgcgc cattctccac cctggacctg acgtcccca tgctgggggt 1320  
 tgcacatcgag cacaccacac agctgtgtc ggaggggctt gtgcgagtga aggaggacg 1380  
 agaagggaag ctggacgtgt acctgttctt ctctctgtat gtgtccttg tgaccaagcc 1440  
 ccagcgcaag gcccacaaag ccaaggatcat ccgacccccc ctcatgctgg agaagctcg 1500  
 gtgccaaccc ctgcgagacc ccaacacgctt cctgctgatc cacccactg aattccatgt 1560  
 tggctccacgc gcctcttgc tgcactgtcc cagtcctaca gaccgtggcc agtggctgga 1620  
 gaagaccacg cagggccagg ccgcctaca gaagatggc gagaggatgt atgttcaaca 1680  
 gaagaggaggatc ctcctgaccc tctatcgga ccaggacagg gagtcccccgc gcaccaggcc 1740  
 ctccacgcctt ccctggagg gctctcagag cagcgcacgc gggaggactc ctgagttctc 1800  
 gaccattatc ccccacctgg tggtgacaga agacacatgtt gaagatgtc cccttgc 1860  
 agatgataacc tcaagactcg gctacggcactt tttgtatccca ggcacccccc cggggctcc 1920  
 ctccccactg agccgtctac gccaaagagc cttcgccgg gaccctcgcc tcaccttctc 1980  
 caccctgaa ctccgggaca tccctctgcg tccccacccccc cccgacccccc aagctctca 2040  
 acggccgaagc gccccggcaac tgccggaaagg aatcctaaaa ggaggcagtc ttccccagga 2100  
 agacccacca acctggtctg aggaagaaga tggggccccc gacggaggaa atgtgggtgt 2160  
 gggaaacactc cacaggggccc ggcttgggg ccagcttccc tcctccca cccatgtga 2220  
 ctctgggggg gaaaggccctt gggatgtc tggggggaggaa gaagaagagg ggcctctgtt 2280  
 cctgaaagact ggcacacat ccctgcgc aatgcgggtt gaggacatgc tcagagat 2340  
 cccggaggag ctggccagcc aaaggattga gggggccggag gagccccggg acagcaggcc 2400  
 acggaaagctg actcgggccc agctgcacgc gatgcggggg cccacacca ttcagctgga 2460  
 caccctctn tccgcancag aggtangagg aangcagagg acctttggca ngcatctctc 2520  
 ccagaggaga tctctccca gtagtgcngg tcaccctccg gcatcngtga ctcnacttca 2580  
 aggaccacat ttcccaaagg aaggcctggcc caggcaccctt gcctctgtc tggttgggg 2640  
 atcaagaact gtaaaattat gtatcatagg tgcacactgag cccacacagaa agttgtgcat 2700  
 aaaaatgact gcccctggctg ggcacatggctg 2730

<210> 37

<211> 1231  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 238992.13.dec

<400> 37  
 cggggtttag tgggtgaac tgcagaggaa cagaccaaga gtgagcttgc gggccggat 60  
 cctcccccga ttagcagcag cccacaagt tccagaaagg agcagccagg gaggcaggga 120  
 aagctggat cacaggccta ggcaggccct tggttctcac acttaggag gactggccaa 180  
 gggcagcat gatggctctg aaggccctt agtcccatag gcaggtggcc tactctggc 240  
 agattgcaaa aggggctggc tagggaggtg gattcatgcc tggtcacctt gtctacctgc 300  
 cacagcccta ttgtgaatag actctaatacg ggaccagcca gtcgcataa cagcagcccc 360  
 actgtggta gactcaagga gggcctggct ggaagcagga tgatggctg tgcattctcc 420  
 ccacagggtt ggaacgccaa gcacaacgtg catgtcatga acatctccac aggcaagaaa 480  
 gtgaaggggg gctccagcaa gctgacaggc cgtgtcctt ctctgtcctt tgatgcccct 540  
 ggccggctgc tctggcgaaa tgatgaccgt ggcagtgtct tctctttctt ctttgatatg 600  
 gcccacaggaa agctgaccaa agccaacggt ttgtgtgtc atgaggggag ccctgtgacc 660  
 agcatctcg cccggctctg ggtcagccgc gaggccccggg atccctcact gtcataat 720  
 gcttgcctca acaagggtt gctctacagg tggttagaca acgaggggac cctgcagctg 780  
 aagagaagct tccccatcga gcagagctca catcctgtgc gcagcatctt ctgtccccctc 840  
 atgtccttcc gccaggggggc ctgcgtggc acggggcagtg aggacatgtg cgtgcacttc 900  
 tttgatgtgg agcggggcggc caaggctgct gtcacaacaagc tgcagggcca cagtgcacct 960  
 gtgcttgcatt tcagcttcaa ctgcgacgag agcctactgg cctccagtga cggccagcggc 1020  
 atggtcatcg tctggaggcg ggagcagaag tagggtcctg tcggccctgc tgctgtcctc 1080  
 catcccaccc ctcttactcc agcctcgtgt tgtaaataaa gtttcgggtgg tcatgctgag 1140  
 ggccggctcc cagctctgcc ggggacggac agggcagagg gcagcgggca gtcaggaa 1200  
 cacggtaaaa aaaaatttcg tggtcatgc t 1231

<210> 38  
 <211> 940  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 199736.1.dec

<400> 38  
 ctccgagagc gggccggct cagttcagct gctgtccaga cccggatcgg caacagtgcc 60  
 gcctccagac gtttcctgc cgctcgcccg cccgtcccaag cgccccccagc cctcccgca 120  
 gggcggcccg ggacggaagg atccaccagt ctgtcggcgc cccggcttct cgtggtcgcc 180  
 gtcgcccgtcg tcgtgggtgt agtctccgc gtcgcctggg ccatggccaa ttacatccac 240  
 gtccctcccg gctcccccggg ggtgccaag ctgaacgtca cccgttcaggaa tcaggaggag 300  
 catcgctgc gggaggggggc cctgagccct ctgcaacacaa tgccgttca ctgggacccc 360  
 caggagggtt ccctcgagct cttcacatgg ggaatcacaa ataaacttat tggctgttac 420  
 gtggaaaca ccatggagga ttagtgcatt gtgagaatt atggcaataaa gactgagttt 480  
 ttagtcgatc gagatgagga agtaaagagt ttgcagttt tgcaaggctca tgggtgtca 540  
 ccacaactct actgtacattt caataatggc ctatgtatg aatttataca aggagaagca 600  
 ctggatccaa agcatgtctg caacccagcc atttcagat cagaagagca gaaacggctt 660  
 agttctaaag agactgtttt gaaaacattt ccaaataact gcagcaactt gatgactact 720  
 tccctgagtt ttgcatttactc actgaaagca gaactactgt gcccggccct ccagtgacat 780  
 gggccttctg ctctcccaga catttgcctc tttcacacc tggtctgaat ccagcatgga 840  
 gcagacgaga agtcatggag ttctgacagt tccagcacgt gtgtccccctt tgcaaagggg 900  
 aaaattacgt ttgttaagag accccaaatc agggtctctt 940

<210> 39  
 <211> 757  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 228864.5.dec

<400> 39

gcggggcgcg ggaacgacgg cggccatggc ggccctgggg cccgggtgtc gcagctggtg 60  
 cttgttccc gaggtgccat ccgcacatt cttcaactgcg ctgcctcg 120  
 cgggcctcgc ctgttccctgc tgcaggctcc aaggagtctt ccagggtccc catgcctga 180  
 gagaatttctt agggaaagtca ttcacttgg cttctgaag gtccctccata agagtctcct 240  
 gacaaaagtt acttattgaa cacctctatg tgccaggctc tgtgttgggt actttgatca 300  
 atgcccctgtt ttcaagtctca ttcgtactca cggcagccct gtggagtacg gtgtactggc 360  
 ccagcttaca gatgcagaaa gcgagacgtt ctgcacatcag ataaagtac 420  
 agtaacacgg acaaggctcc tcgccaagga actcgtggca gaagaggga 480  
 gtagctggcg atgtctgtcc ccagctccac cattctccc tgtggctgtg ccatgctcg 540  
 ggttcaatgttccctgtc catgtgtctg cccttcaagga gctcgcagct ggtgtgtt 600  
 gcggtcccaag gcctgtgttag tgtcttccc ctgctgcggg cgcccccacc ccgattcctc 660  
 tccccagaag cggtggatg ggcccccatt aactgcagca gcatgctgag gtgtccatgt 720  
 tgtctgcctt tgtataaaga aacagctct gacctgc 757

<210> 40

<211> 1240

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 986539.1.dec

<220>

<221> unsure

<222> 223

<223> a, t, c, g, or other

<400> 40

taatggtctc ggctggccgg ggcctgggg ccgtgtggtc cccaaacccac gtgcagggtga 60  
 cgggtctgca ggccggggcc 120  
 cgggtatcca ggtggcaag gagaagtacg ccacccgt gtccggagc 180  
 cggccgtgtg gcgcgaggag gcccacccatc agctgccatc ggnntgctgc 240  
 gcccggccca ccctgcagct caccgtgtc caccgcgc 300  
 ctggggccgc gcccgggtgg acctgcggga tctgcaccgc gaccagg 360  
 gcagtggat aagttgaat ccaaaccagg aagaaggac aaggagc 420  
 ggttgcattc cagtttatga gaaacaacat gactgc 480  
 agacaagtct cggaaatccat ttggaaagct gaaggacaag atcaagg 540  
 cagtgggtca gacaccgcct ccgcacatcat ccctagc 600  
 tgatgatct gtggtaaag acaagaaaaa gaaatcaag atcaagac 660  
 gtcaaatttgc cagaagacgc ctcttccca gtccatgtct gtccgtcc 720  
 agaaaaagtgc ctgttcgtc ccggagactt tcagttccag tggatgaag atgacaatga 780  
 ggatgatgtcc tcctcgccct cggatgtcat gtctcacaag agaacacgc 840  
 taagcaactg aaccagggtca actttaccct tcccaagaag gaaggactt 900  
 tggccttcgg tctaaatgtt atgtcccttc ccgtcttaat gtctgc 960  
 tggatcttcgg gaggc 1020  
 cccatcccccc aagggtttca gaaagaagca ttgttctt tctacagaga acctggcg 1080  
 tgggtcttgg aaggagcctg ctgaaggagg tggctgtct tctgacaggc agctctccga 1140  
 atcttccacc aaggactt tgaagtctat gaccctgcgc tcctaccgac ctgcccact 1200  
 ggtcagtggg gacctgcagg gaaaacgatg gcccctacac 1240

<210> 41

<211> 2413

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 481454.4.dec

<220>

<221> unsure

<222> 309-314, 317

<223> a, t, c, g, or other

<400> 41

acgtggccag	cggggagatg	aactca	gtgc	tggagatc	ctac	cccccg	gatgaggaca	60
cacttcagga	ccca	ccccca	ctggagtgt	gccaaggatt	ctccc	agcag	aaaaatggcc	120
atgcatgga	cacca	atgaa	tgcatcc	tcccattcg	gtgc	ccctcg	gacaagcc	180
tatgtgtcaa	cac	ctatgga	agctac	gcccggac	aaaga	agtgc	agtcggg	240
acgagccaa	cgaggat	ggc	acagc	ctggact	cg	cccg	ccggccccc	300
gccccaccnn	nnnnac	ncccc	gggac	ctggag	caagg	ccggc	gcccggcgg	360
cagaggcggc	agcgag	cgcc	cg	gccc	gcagg	ccggc	agagcggg	420
gatggctccg	agcgt	gtgacc	ccggc	ctagg	ggc	ggggcc	agagcgggag	480
gttctgtccc	atca	ctgagg	gttccc	caggat	ccgtt	ccctcg	tgctgtct	540
ctcagttctg	cctc	ctgact	atgac	gttca	atgtt	caact	cgtc	600
tactgtatgt	gacc	atgtat	gggact	atccc	acc	actat	gtgtgg	660
cctggttctg	aagt	atgacc	gggccc	gggac	gcgg	ctgtgt	atggac	720
cagtaacccc	tacta	cgcgc	tgcg	ggggaa	gcagg	gtgtgt	tcgtat	780
cgacatcgac	gggg	acgggc	gggagg	ggggac	ccat	cgccgg	tcacag	840
gggggtggcc	act	taaccc	aca	atgtt	ttcc	accaata	atgc	900
cctgagcgat	gagg	tcaac	tgg	gggg	cc	accaata	atgc	960
ggcctgtgt	gac	agaaagg	gct	ctgg	at	ttcc	atgc	1020
cggtaatgt	ggcc	ctgtat	ccct	atgtt	at	ttcc	atgc	1080
gggcattctg	gc	gctc	agag	atgtt	gggg	at	atac	1140
ccgaggcg	agc	gtgggc	ccat	ccat	tcg	at	atac	1200
tgagaatggg	ccta	acttcc	tttt	ccac	ccgg	at	atac	1260
ggccagtgct	gg	gttgg	acc	cccc	gg	ac	atgc	1320
caaccgtgat	gg	caaagt	acat	gtct	gg	at	atgc	1380
tctgcaatg	agc	acccat	gga	agg	gg	at	atgc	1440
catgcctcc	cct	gtccg	cg	gtc	cc	at	atgc	1500
gatcttctt	aaca	acattt	cct	acc	cc	at	atgc	1560
ccgttagag	cac	ggagac	cc	ctat	cc	at	atgc	1620
tgagggcgg	gg	cacagg	gg	tgtt	cc	at	atgc	1680
catcttgc	cat	ggagat	cc	atgg	gg	at	atgc	1740
cttcaacaac	aact	ggctgc	gag	tgg	gg	at	atgc	1800
agctaagg	tc	gttct	taca	cca	gg	at	atgc	1860
ctcagg	ct	gtgt	gaga	tgg	gg	at	atgc	1920
cagc	gt	gggt	gacgt	ggcc	cc	at	atgc	1980
ggagat	ac	tca	gtgt	ccat	cc	at	atgc	2040
agccccact	gag	tgtgg	cc	aagg	cc	at	atgc	2100
caatgaat	atcc	agg	tcc	tat	cc	at	atgc	2160
ctatggaa	tgac	gggt	gtgt	gg	cc	at	atgc	2220
ggatggcaca	gc	ct	ca	gg	cc	at	atgc	2280
tagaacttct	gag	c	tc	gg	cc	at	atgc	2340
tcagttat	ta	cc	tc	gg	cc	at	atgc	2400
tttgtggaaa	act	tt	ca	aa	aa	aa	aa	2413

<210> 42  
<211> 797  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 474800.7.dec

<400> 42	ccctgagctg	ggactagcga	aatctgtctg	caactgatcgc	agtcgtcctc	agtttcaccc	60
tcttagaatac	ggcctggggg	tgcacgtgt	actctcttcc	tccaggccgg	tccccggcgc	120	
gtgcgcgcga	tccatgtcca	tgtcccgccc	tatcaataaa	gttgctact	tgttgccggc	180	
ccgctagccc	gaaagggttgc	gcccgcagac	cgagaagtct	cgcgatagcc	agccgcggct	240	
gcccttgcgc	ttccccgagct	ggcgggggtcc	gtgggtgcggg	atcgagattg	cgggctatgg	300	
cggcgaaggt	ttttcgtag	tactggata	tccccgatgg	caccgattgc	caccgc当地	360	
cctacagcac	caccagtatt	gccagcgtcg	ctggcctgac	cgccgctgcc	tacagagtca	420	
cactcaatcc	tcggggcacc	ttctcttgaag	gagtggctaa	ggtgtggacaa	tacacgttca	480	
ctgcagctgc	tgtcggggccc	gtgttggccc	tcacccatcg	catcagcgcgc	catgtccgcgc	540	
agaagcccgaa	cggccccctgt	aactacttcc	tcgggtggct	cgccggaggc	ctgactctgg	600	
gagccacgcac	gcacaactac	gggatggcg	ccggccgcctg	cgtgtacttt	ggcatagctgg	660	
cctcccttgtt	caagatgggc	cggctggagg	gctggggaggt	gtttcaaaaa	cccaagggtgt	720	
gagccctgtt	cctggccggga	cctccagcct	gcagaatgcg	tccagaaaata	aattctgtgt	780	
ctgtgtgtga	aaaaaaaa					797	

<210> 43  
 <211> 680  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 427883.13.dec

<400> 43  
 gccccgtggaa aaccgagcac tggaaatcatg gagccgaagg actctggcg agcagaactg 60  
 gaaccttcgg attatttaca ctcttattca ggtgctggag gaagagctga tcccgctct 120  
 gaggtcaagg gccggactag gacaaggact ggaatcttga gggatggatg tctgggtcc 180  
 ctgagaagaa ctgattccca tactgggctg acctcctccc gttcccttgc tcatactccag 240  
 cccccctgtgc tgagtgagaa agggagagat gaggaaacttgg aggaactca ccagccccctg 300  
 atcatttcgc ctaaaagagc aaggactaga gttcctgacc tccaggccag tccctgatcc 360  
 ctgacctaattt gttatcgccg aatgatggcc cagggctctt cagagcagga actccactat 420  
 gcatctctgc agaggctgcc agtgcccagc agtgaggac ctgacctctag gggcagagac 480  
 aagagagagca ccaaggagggaa tccaagagct gactatgctt gcatgtctga gaacaaaccc 540  
 acctgagcac cccagacacc ttccctcaacc caggggggtt gacaggggtcc ccctgtggtc 600  
 cagccagtaa aaaccatggt ccccccactt ctgtgtctca gtcctctcag tccatctcga 660  
 gcctccgttc aaattgtatca 680

<210> 44  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 018945.1.dec

<400> 44  
 tttgggaaga ggatgggcct gaggtcctga aaggccctt ccagccccc actacaaatg 60  
 cggggaggaa aaagttcaga agcagccacg aaggacaaa agcttaatgc tgccagttgg 120  
 attggacagg gcagtcaata aaccctggca gctctggagt cagggcttac tgagagctcc 180  
 atttctggaa agcatttcaaa gactgaggaa tatcagactg cgaatcaccg ggaacgggttc 240  
 ctttcagca cagaagcaat ctctctccc atcttcgcatttctgtatgg caaaacaagt 300  
 ggaagaaaag aggaagcatg actgcagatc agatcagttc ttttggatgg ttatatttc 360  
 agtaaaatgt atggatctat cttttcttgc ttcttatatc tagatcatga gacttgactg 420  
 aggctgtata cttatctcc atccatctat ggcgaactat agccatgcag ctgacaacat 480  
 tttgcaaaat ctctcgccctc taacagcattt tctgaaactt gacttccttgg gtttcataat 540  
 aggagtcagc gtgggtggca accttcgtat ctccattt 578

<210> 45  
 <211> 1075  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 353271.2.dec

<220>  
 <221> unsure  
 <222> 156, 162, 164  
 <223> a, t, c, g, or other

<400> 45  
 gcagacttga gtcctggtcc ttctgcagag gcctgagcag gaggaagagg aggaggcccg 60  
 ttggcgtcgg accaatgctg caaggggtgt gaggagaggg gcccgtgtt ttcactgagc 120  
 tgccatacc cggcgtgttgg aacactggcgg atggagctgg agtgangtgg angngccgca agctgctgac 180  
 cggcgtgttgg aacactggcgg gtttgcagat cactgaggct ggacaacgtt catggctctc 240  
 gggtagaaacc tagtggaaacg gccagaatgtt attcttatggta caggcacatc cagcagacca 300  
 atgaccgact gcagtgcattt aagcagact tacagaatcc tgccaaactt cacaatggcg 360  
 ccacggagct gctggactgg tgcggagacc cacgggcctt ccagggccccc ttcgagcaga 420  
 gcctgtatggg ctgtttgacg gtggtcagtc ggggtggcagc ccagcaaggc tttgacctgg 480

```

acctcggcta cagactgctg gctgtgtgt ctgcaaaccg agacaagtcc accccgaagt 540
ctgcccctt gttgtcctcc tggtgcgaag agctcgccg cctgctgctg ctccgacatc 600
agaagagccg ccagagcgat cccccctggga aactcccat gcagccgct ctcagctcca 660
tgagctccat gaaacccact ctgtgcaca gtgatgggtc gttccctat gactctgtcc 720
cttggcagca gaacaccaac cagccctccg gctcccttc cgtggtcacc acggtttggg 780
gagtaaccaa cacatcccag agccaggtcc ttgggaaccc tatggcaat gccaacaacc 840
ccatgaatcc aggccgcaac cccatggcggt cgggcgtac caccagcaac ccaggcctca 900
actccccaca gtttgcgggg cagcagcgc agttctcagc caaggctggc cccgctcagc 960
cctacatcca gcagagcatg tatggccgc ccaactaccc cggcagcggg ggctttggg 1020
ccagttaccc tgggggtcct aacgccccccg caggcatggg catccctcca caca 1075

```

```

<210> 46
<211> 1654
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 221686.2.dec

```

```

<400> 46
ggccggggcg gcacctgcga tcagcggctg gggcaggta tggtagtgcg gactgcggtg 60
tgagcagagc ggcacacgggg cccgcacatgc gccggcgccc ctgacatggg cgccagcggg 120
tccaaagctc ggggcctgtg gcccattgc tcggcggccg gaggcggcgg ctcagaggca 180
gcaggagctg agcaagctt ggtgcggcct cggggcccgag ctgtgccccctt cttcgatattc 240
acgcgcgcg gctctatgtt ctatgtatgag gatggggatc tggctcacga gttctatgag 300
gagacaatcg tcaccaagaa cgggcagaag cgggccaagc tgagggcgagt gcataagaat 360
ctgttccatc agggcatcgta gaagctggat caccggccca tccacgtggat tttccctgtg 420
atccctatcg aggtgtgacc ctggggaggta gcagacagaa gcacccctcg cccggcaag 480
aaactccag gctcaatcaa ggtgtggctt ccattgagga gcccaggctg gggccacaac 540
cctgaataaa ctctgttggc ccataacattt cagctgtgag cgggtcggtc ccacagtatt 600
ggttgggtgt tgggttgggt gtggacaaga ggtgggttgtt ggggttgtaa ggctaattgc 660
agagttagca cccactctc ccaagccacc cctgcaagca gcacagcagg gcatatacca 720
gtcaggaatg cccgttaccc ggttccttgc ctggctctgtt ttcttccaag tttgccttggg 780
gcctagccct gctagaggctt acagcaactt acaagcaagg tatgtttctt tccagccct 840
aggctgtggg caactgtatac aatgttggaaat ttctttctt tcacttccct ttaaccct 900
agttagacca tttcagccgt ttgttacccctt gatcctcttgc gtgttggaca gaggctgggg 960
gcagtgccag cctgatttttccgaccatcc tggccatttttgc tccggcccttcc agatggatgg 1020
acagtttgcg ggttattgtt agggatgggg actgggtggg ggcttctccc tctaccagg 1080
gctgggtgtt gccccctact gcaactaact gttggccccc aaccccaaccc ccccaaggta 1140
ggagttgaga gatgtcaggc tggggtcagg acaggctgcg gatgttgcg cctatggga 1200
gttactccaa cccacctatt ctgtctaatttccatggctt tgcaccaat ccccaacccc 1260
tccaatttggg agggactgt tcaccacccctt gtggtaaggaa acaacaccctt aaggctggg 1320
ccagtagtta ttagtgcctt accacccctt cccttacagt aaccccaacc cttcaggat 1380
cagtcaaggaa aacgacttag aacccctggg tagggaaaga aaggaggaa aaaccataaa 1440
aggaataactt ataatgttggaaat ggtttttttaa tagtccatgttgc tgatgtcgat gcagagctg 1500
atttctatataatgttggact tttttttttaaatgttgccttgc agctctgtgc ttctataatg 1560
tggaaatgg ctgggggagg atggccctta gcttaggaag actgttgcgtt ttttgc 1620
atttcaataa aatgatttgcg agtgccttgc aaaa 1654

```

```

<210> 47
<211> 1602
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 233347.7.dec

```

```

<400> 47
gcccgggggc gcgaggctgg attccttaggg cccgcggcgat tccggcatg ctccgctgca 60
ggcccccgcgc cgcgcggccgat ctttgcacatc ggcggggggca gtcgcggggat gcccgggg 120
gccacagccctt gaggccctca ggtctctgc ggtgtcggtt aggaaccttag caccctggccat 180
cctcttccctt aatttgcacatc ttccagcgc ttttagccat gaggaggatg tgaccgggac 240
tgagtcaaggaa gcccctctggaa agcatggaga ctgtgggtat tggccatgc ggtgtcggtt 300
ccaccatctt tctggcttcg tttgcagccctt ggtgtcggtt ttgcaggcag cgctactgccc 360
ggccggcgag acctgctgca gcggtatgc ttctaaaggccc attgtggacc tcattggatc 420

```

catggagacc cagtctgagc cctctgagtt agaactggac gatgtcgta tcaccaaccc 480  
 ccacatttag gccattctgg agaatgaaga ctggatcgaa gatgcctcggt gtctcatgtc 540  
 ccactgcatt gccatcttga agatttgcata cactctgaca gagaagcttg ttgcctatgac 600  
 aatggggctc tggggccaag atgaagactt cagccagtgt cagcgacatc attgtgggtg 660  
 ccaagcgat cagccccagg gtggatgtat ttgtgaagtc gatgtaccct ccgttggacc 720  
 ccaaactcct gggacgcacg gacgactgcc ctgctcctgt ctgtcagtca cctggtgctg 780  
 gtgacaagga atgcctgcca tctgacggga ggcctggact ggattgacca gtcctgtcg 840  
 gctgctgagg agcatttggg agtccttcga gaagcagccc tagcttctga gccagataaa 900  
 ggcctccagg gcccgtgaagg cttectgcag gacgactctg caatttagtg cctacaggcc 960  
 agcagctacg catgaaggcc cctggccca tccctggatg gtcagctta gccttctact 1020  
 tttcttata gaggtagttt ttctccacgg ctggagatgt cagctgtgt tgcatagtaa 1080  
 agcaggagat ccccgctcgtt ttagcctct tttcagttt caaactgtgg ctggtgagtg 1140  
 gcagtctaactt actacagttt ggggagatgc cattcactt ctgcaagagg agtattgaaa 1200  
 actgggtggac tgcagctttt atttagctca cctagtgttt tcaagaaaat tgagccaccg 1260  
 tctaagaaat caagaggtt cacattaaaa tttagaatttc tggccctctc cgatcggtca 1320  
 gaatgtgtgg caattctgtat ctgcattttc agaagaggac aatcagttga aactaagtag 1380  
 gggtttcttc ttttggcaag acttgactt ttcacacctgg cctgtttcat ttatgttat 1440  
 tatctgcctg gtcctgtagg ctgtctgggtc ttcctctcc cttgcagggtt tgggtttgaa 1500  
 gctgaggaac tacaaaatgtt atgattttt ttttatctt atgcctgcaa ttttacctag 1560  
 ctaccactag gtggatagta aatttataact tatgtttccc tc 1602

<210> 48  
 <211> 2159  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 230631.3.dec

<220>  
 <221> unsure  
 <222> 717  
 <223> a, t, c, g, or other

<400> 48  
 caaagccatg caggactttg tggccaccaa cctggagcca cgcttcattt aaccccaagac 60  
 agccaatctg tcagtgtgt tcaaagactc caactccacc acacccctca tctttgtgt 120  
 gtcacccggc acagaccctg ctggccacctt ctacaagttt gccgaagaaa tgaagttctc 180  
 caaaaagctc tctgcccattt ccctggggca ggggcagggc cctcgggcag aagccatgtat 240  
 ggcgcagctcc atagagaggg gcaaatgggtt cttcttccag aactgcccacc tggcaccaag 300  
 ctggatgcca gcccctagaac gcctcatcgaa gcacatcaac cccgacaagg tacacaggga 360  
 ctteccgttc tggctcacca gcctgcccag caacaagttc ccagtgttca tcctgcagaa 420  
 cggctccaaag atgaccattt agccgcacag cgggtgtcagg gccaacctgc tgaagtctt 480  
 tagtagcctt ggtgaagact tcctcaactt ctggccacaaag gtgtatgggt tcaagttctt 540  
 gctgctgtct ctgtgtttt tccatggaa cggccctggag cggccatgtt tggggccct 600  
 gggcttcaac atccccatgtt agttcacggaa tgtagatctt cgcacatgtca tcagccagct 660  
 caagatgttc ctggacgaat atgatgacat cccctacaag gtccctcaagt acacggnagg 720  
 ggagatcaat tacggggggcc gtgtcatgtat gatgggaccc ggcgtcatca tgaacatctt 780  
 ggaggacttc tacaaccctg acgtgtctc ccctgagcac agctacagcg cctcggccat 840  
 ctaccaccag atccccctta cctacgaccc ccacggctac ctctcttaca tcaagagct 900  
 ctcactcaat gatatgtctg agatcttgg cctgtcatgac aatgccaaca tcacctttgc 960  
 ccagaacggc acgttcgccc tcctgggcac catcatccag ctgcacccca aatcatctt 1020  
 tgcaggcgc caggggccggg aggaggatca atcggtgtt gcaggtgtc acacagacac 1080  
 tgcaagaccc actcaaggca ctcaaggggc ttgtatgtat gtcctctcgt ctggagctga 1140  
 tggctgcccggc cctgtacaaat aatactgtgc ctgagctctg gagtgccaaag gcctaccat 1200  
 cgctcaagcc tctgtcatca tgggtcatgg acctgtgtca acgcctggac tttctgcagg 1260  
 cctggatcca agatggcatc ccagctgtct tctggatcatc tggattctt ttcccccagg 1320  
 ctttcttaac aggactctg cagaattttt cccgcaaaatt tgcacatctcc attgacacca 1380  
 tctcccttta tttcaagggtc tgggcacacg caggggccagg tcagtgacaa ggcttaggta 1440  
 cagcccaggagg aggagaggct ctgaggccac ggttgggttgg cagttggggg accccctaagc 1500  
 cagggcatgg aaagacccaa gccagaagag gccatgagtc ccaggaacgg gtctgggctg 1560  
 ggtccatcatc aaatccacag gggcaggccaa cagaccacac gccatgggtt aaagtggtag 1620  
 gtacgtgtat atggggcaggc aggccgattt aggccatgtt ctcagaagggg agttttgtc 1680  
 ctcctaaccctt agattctggg tattgtatgtt gttgtgggtt gtgtgtgtt ctacccacag 1740  
 gtatgttttgg aggaccatc agagttaaaca caaagacccc aagttaggggtt ctatatccat 1800  
 ggattattcc tggaagggtc ccgctggat ccagaggcct tccagctggc tgagtctcag 1860

cccaaggagc ttttccatcc gatggccgtt atctggctct tgccaaacacc caaccgcaag 1920  
 gcccaggacc aggacttttta cctgtcccccc atctacaaga cactgactcg tgctggaaaca 1980  
 ctatcaacca caggacactc taccactat gtcattgtg tggagatccc cacccatcag 2040  
 cccccggcactc actggataaa gcgtgggtgtg gccctcatct gtgcccttggg ctactagact 2100  
 cagacagaag ggctggggcc attaaagctg aattttctaa gcaaaaaaaaaaaa aaaaaagg 2159

<210> 49  
 <211> 1060  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 335146.1.dec

<220>  
 <221> unsure  
 <222> 303  
 <223> a, t, c, g, or other

<400> 49  
 aaaagtgaaa aatttttcga tagatggct aatgtctctc ctactgtttc tccctcttgg 60  
 gatgaacatc tgcaacaaggc cctccaaacaa gacggccccc gagaagagtg tggacggc 120  
 accggcacag cccagcggac cctcccttga gctgcagggc cagcgatccc gccggaaatgg 180  
 gtggagctgg ccccttccacc cgctccagat tggcccttgg ctgtgttacc tcttcttgc 240  
 tggatcgcc ttgggatcc ttgttccctt cctgccttac cactgggtgc ccgctggcta 300  
 cgntgtatcc ttggaaaggc gttagggctgg tggatggaaag tggggaggca aaggatggct 360  
 ggcacagcgg agggccaaag ccgggttggag acgcttgggg agcagatc ggagatgg 420  
 gcagggtggg cccagtcgtt gggacttgc gtttccccc cttgttccag cttccaccc 480  
 accttccac ctgatagggt gggacttgc gtttccccc cttgttccag cttccaccc 540  
 cacaaggatg tgaatcctgt ccacagaggc accacaggag cagtcataga aggaggagcc 600  
 tcaaccatc ctgttgcataa ttgttgcag agcttgcataa aggttgcataa agggatgtt 660  
 tagtccatct atcgttgcataa ttgttgcataa tcaaccatc accgttgcataa tcttttacat 720  
 aataagtgtc ctgttgcataa ttgttgcataa tttttttttt gacagactgt gcccaggact 780  
 gtttatgggc acatttgcattt tttttttttt gacagactgt gcccaggact 840  
 gagatggat ggatggatcc cttttttttt gacagactgt gcccaggact 900  
 agccctgg tttttttttt gacagactgt gcccaggact 960  
 gcaaggccag ggttgcactt gacatggccat tttttttttt gacagactgt gcccaggact 1020  
 ttgttgcataa ttgttgcataa tttttttttt gacagactgt gcccaggact 1060

<210> 50  
 <211> 1491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 337160.1.dec

<400> 50  
 gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt gttttttttt 60  
 acggaaaccc tcgttgcataa tttttttttt gttttttttt gttttttttt gttttttttt 120  
 aggctgggttgg gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt 180  
 agcccttcgttgg gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt 240  
 caatcgttgg gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt 300  
 ggtttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 360  
 agcccttcgttgg gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt 420  
 cttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 480  
 aaccaggccat tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 540  
 tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 600  
 aaacttgggg gggatgttgggg aacccatc tttttttttt gttttttttt gttttttttt 660  
 cttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 720  
 tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 780  
 atcacaaggat tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 840  
 ttgttgcataa tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 900  
 gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 960  
 aacccatc tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1020

```

caatatgttc tggaaaata tcttggaaatt gtacaccaaa accttacaac caacttattt 1080
gaacatttat tacacacagg gtttacgtaa gacttttctt attggtatat aattaatttc 1140
ctttggcttc ctttatccac attggcttat tctggaggaa aagcagtgtat ctgtaaaaca 1200
aatcaagaat atattaaatc tagaggaatg cagagaagaa aactataaaaa cagaacccaaa 1260
aacttggc acaggctaca taattaaagag atcaactggc tggaaagcaga tcaaggccta 1320
acttcattca agacctaaat attatgagac tcagttattc gttttatgt gacgtcttt 1380
ccattcacca tgacacaggct tttccagcta tctatataat gtttgc当地 atttgataaaa 1440
gatgatgtta ccctatcttc ctccatctga ttccctggaaat gcttgaagaa a 1491

```

<210> 51  
<211> 3825  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 346341.12.dec

<400> 51  
ctctcatgtt gaatgggagg atgctgtaca cattatccca gaaaatgaaa gtgatgatga 60  
ggaagaggaa gaaaaaggcc cagtgtctcc caggaatctg caggagtctg aagaggagga 120  
agtccccccag gagtcctggg atgaaggta ttcgactctc tcaattcctc ctgaaaggac 180  
atcggtggg tcaagtgaaa aaggaggacc aagaggcaac aggtcccagg ctcagcagg 240  
agctgtggc tgagaaagag cctgaagttc tgcaggactc actggataga tgtaattcaa 300  
ctccttcagt ttatcttggg ctgactgact catgccaggc ctacagaatg gccttttagc 360  
tattggacca acacgtgtt ggcttggctg ttgacatgg tgaattgaa aagtaccaag 420  
aagtggaaaga agaccaagac ccatcatgtcc caggctcag caggagctg ctggctgaga 480  
aagagcctga agtcttgcag gactcaactgg atagatgta ttcgactctc tcaggttatac 540  
ttgaactgcc tgacttaggc cagccctaca gcagtgtgt ttactcattt gaggaaacagt 600  
accttggctt ggcttggac gtggacagaa ctaaaaagga ccaagaagag gaagaagacc 660  
aaggcccacc atgcccccagg ctcagcagggt tgcaaggactc actggataga tgtaattcaa 720  
cctgccaggcc ctatggaaatg tcctctttagt cattggagga aaaacatgtt ggctttctc 780  
ttgacgtggg agaaattgaa aagaaggggg aggggaagaa aagaaggggg agaagatcaa 840  
agaaggaaag aagaaggggg agaaaaaagaag gggcaagaaga tcaaaaccca ccatgcccc 900  
ggctcagcag gtagctgtgt gatgagaaatg ggcctgaagt cttgcaggac tcactggata 960  
gatgttcttca aactccttca ggttgtcttgc aactgactga ctcatgcagg ccctacagaa 1020  
gtgcctttta tgattggag caacacatgttggccttgc tggatggc tggacatg gatgaaattt 1080  
aaaggtacca agaagtggaa gaagatcaaa acccatcatg ccccagggtc cagcaggag 1200  
ctgctggatg agaaaagagcc tgaagtcttgc caggactcac tggatagatg ttattcaact 1260  
ccttcagggtt gtgttgaact gtgtgaactc atgcccaggcc tacagaatg cttttatgt 1320  
atgggacaa cagcatgtt gcttggctgt tgacatgat gaaattgaaa agtaccaaga 1380  
agtggaaaga gaccaagacc catcatgcggc caggctcagc agggagctgc tggatgagaa 1440  
agaggctgaa gtcttgcagg actcaactggg tagatgttat tcgactctt caggttatct 1500  
tgaactgcct gacttagggc agccctacatg cagtgctgtt tactcattgg tattgcagga 1560  
ccttggcttgc gcttttgcac tggacaaatg attaaaaagg accaagaaga 1620  
ggaagaagac caaggcccac catgccccaggc gtcagcagg gagctgtgg aggttagtaga 1680  
gcctgaagtc ttgcaggact cactggatag atgttattca actccttcca gttgtcttga 1740  
acagcctgac tccctggcagg cctatggaaatg ttccctttat gcattggagg aaaaacatgt 1800  
tggcttttct ctgacgtgg gagaattgaaatg aaagaaggggg aaggggaaat tgaaaagaag 1860  
ggaagggggaa agaaaagaaag gggaaaagaa tcaaagaagg aaagaagaag gggaaaaaa 1920  
gaagggggaaag aagatcaaaa cccaccatgc cccaggctca acggcgtgt gatgaaatgt 1980  
gaagaggctg aagtcttgc ttcactcattt gatggatgtt atctactcc gtcaatgtac 2040  
tttgcactac ctgactcattt ccagcactac agaagtgtgt tttactcattt tgaggaacag 2100  
cacatcagct tcgccttta cgtggacaat aggttttttta ctttgcagggt gacaagtctc 2160  
cacctgggtgt tccagatggc agtcatattc ccacaataag cagcccttac taagccgaga 2220  
gatgtcattc ctgcaggcag gacctatagg cacgtgaaga tttgaatgaa agtacagtcc 2280  
catttggaaag cccagacata ggatgggtca gtgggcattgg ctgtattccctt attctcaac 2340  
catgccagt gcaacctgtg ctcagtcgtca agacaatgga cccacgttag gtgtgacacg 2400  
ttcacataac tggcagcac atgcggggag tgatcagtc gacattttaa ttgaaccac 2460  
gtatctctgg gtagtcacaa aattccctcag ggatttcatt ttgcagacat gtctctgagc 2520  
ttctataact gctcaaggcc attgtcatct ttgtttag ctcattccaa ggtgttaccc 2580  
tggttcaat gaaacctaaac tcattttcg tgcatttcgtactt gtttcattgt ttttagctgt 2640  
ccatctgtaa cacaggaggg atccttggcc gaggattgtt tttcagaacc accaactgtct 2700  
cttgacaatt gttaaaccgc taggcttgc tggtttagaga agccacatgc cttcagcctc 2760  
caattgggtgt cagtacttag gaagaccaca gcttagatgg caaacagcat tggaggccct 2820  
tagccctgtct cctctcaattt ccatcctgtat gagaacagga gtcaggqaqcc qctggccagg 2880

gacagcatgt	tacccaggac	tctggcggtg	cagaatatga	gcaatgccat	gttcttcgg	2940
aaaacgccta	acctgagtt	cataggaggt	aatcaccaga	caactgcaga	atgttagaaca	3000
ctgagcagga	cagctgaccc	gtctccctca	catagtcacat	atcaccacaa	atcacacaac	3060
aaaaaggaga	agagatattt	tcgggtgaaa	aaaagtaaaa	agataatgt	gctgcatttc	3120
tttagtttatt	ttgaacccca	aatatttcct	catcttttg	ttgttgcata	ggatgggtgg	3180
gacatggact	tgtttataga	ggacagggtca	gctgtctggc	tcagtgatct	acattctgaa	3240
gttgtctgaa	aatgtcttca	tgattaaatt	cagcctaaac	gtttgcgg	gaacactgca	3300
gagacaatgc	tgtgagttt	caacccctcagc	ccatctgcgg	gcagagaaagg	tctagtttgc	3360
ccatccat	tatgtatatac	ggactgggtt	cttgggttaag	gagggggtcta	ggagatctgt	3420
ccctttttaga	gacacccat	ttataatgaa	gtacttggga	aaggcggttt	caagagtata	3480
aatatccctgt	attctaatga	tcatctctca	aacattttat	cattttaa	tcctccctgc	3540
ctgtgtctat	tattatattt	atatctctac	gctgcaaaatt	ttgggtcata	attttactgt	3600
tgcctttgtt	tttacttagt	tctgtgttgc	aaaaaagaag	aaaacattct	ctgccttgagt	3660
ttaatttttt	gtccaaagtt	aattttaaatc	tatacaatta	aaaccccttgc	cctatcactc	3720
tggacttttgc	gattgttttt	tacattcagt	gttataatat	ttgattatgc	tgattggttt	3780
tggtgggtac	tgatgcgaat	taataaaaaac	atttcatttc	caaaa		3825

<210> 52  
<211> 1423  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 428745.2.dec

<210> 53  
<211> 908  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 444839.17.dec

```
<400> 53
ccttgaaaac ttttgcggc ttcccctact gtcatttggt gtgtccttaa agattgccaa 60
ctagtttaa agtattttgc acacaaaataa ttacctttc cataaatttg taaaaagata 120
tttctgttta agaaaattgtat cattttgagt tataccttagt ctgtgcttac tgataacaagt 180
tgactggttg agcaacttc ttcctggcat aatagtcatt ccatatgtgg gttttagga 240
gtcctgaagt gagaagggtt ctgatgttagg ctctttctgg gtgccagcat tattaaagta 300
```

ttgtttatag ttttactct tccttccaa cactggagca acattcaaaa gcccattccc 360  
 caggaaaacc ctcccattcc tttgcccaca gttccaagat gagatggat tctccaacat 420  
 ggaagatgat ggcccagaag aggaggagcg tggctgtag cctcaagcta actttaacac 480  
 ccctcaagct ctacgggtt aggaactact gccaaccta ctaaatgaac aacatcagat 540  
 agcgaaggaa ctattgaac agctgaagat gaagaaaacct tcagccaaac agctgcagga 600  
 agtagagaag gttaaaccctt agagtggaaa agttcatcag actctgatc tggaccaggc 660  
 acagaggaag agactccagc agcagatgca gcagcacgtt cagctttag cccaaatcca 720  
 ccttcttgcc acctgcaacc ccaacctaa tccggaggcc actaccacca ggatattct 780  
 taaagagctg ggaaccttgc ctcaaagctc catcgccctt caccatcagt acaacccaa 840  
 gttcagacc ctgttccaac cctgttaactt gatggacta tgcagctgat tgaagacttc 900  
 agcacact 908

<210> 54  
 <211> 1156  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 245000.6.dec

<220>  
 <221> unsure  
 <222> 1135  
 <223> a, t, c, g, or other

<400> 54  
 ctctcaaccc acttctccag ccagcgcccc agccctcccg ccgcccgtc gcaggtcccg 60  
 aggagcgcag gtgaggcggc accccactcc cggcgcccc cggccctcc ttccgcacgc 120  
 acccccgagct gcctccgcac agttggagga gctgtggagg gaccccccac cagggatgac 180  
 actccaggaa gggactgca gaggaagcca gactgtgtcc ctgacaatgg gaacagccga 240  
 cagtgtatgg atggccccgg aggccccaca gcacacccac atcgatgtgc acatccacca 300  
 ggagtctgccc ctggccaagc tcctgtcac ctgtgtctt ggcgtgcggc cccggccac 360  
 ccaggccagg ggcagcagcc ggctgtggt ggctctatgg gtgtatgcaga tgcgtctgg 420  
 gatcttgagt gcagtccttag gaggatttt ctacatccgc gactacaccc tcctcgac 480  
 ctcgggagct gccatctgga cagggctgt ggctgtgtc gctggagctg ctgccttcac 540  
 ttatgagaaa cgggtgtt catactggc cctgtgtgagg actctgttag cgctggcagc 600  
 ttctccaca gccatcgctg ccctcaaaact ttggatgaa gattccgat atggctactc 660  
 ttattacaac agtcctgccc gcatctccag ctcagtgac tggaaacactc cagccccac 720  
 tcagagtcca gaagaagtca gaaggctaca cctatgtacc tcctcatgg acatgtgaa 780  
 ggccttggcc agaacccctc aggccatgtc cttgggtgtc tggattctgc tgcttctgg 840  
 atctctggcc cctctgtggc tgtactgtc gagaatgtc ccaaccaaag gggtgagtcc 900  
 ctaagaaaaag agaccagaag gaaatgttg aagtgtgtt aatctagcca tgcctctct 960  
 gattattagt gcctgggtct tctgcaccgg gcgtccctgc atctgactgc tggaaagaaga 1020  
 accagactga ggaaaagagg ctcttcaaca gcccagttt tcctggcccc atgaccgtgg 1080  
 ccacagccct gcttcagcag cacttggccca ttcttacac ccctcccca tcctntccgc 1140  
 ttcatgtccc ctctg 1156

<210> 55  
 <211> 905  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 428362.36.dec

<400> 55  
 gcaaaggcca cgtgagcggc gcgccccaa cctgtgcgcgg cgggggacca tggcttcc 60  
 gaacatccctg ctcaccggta caccagggtt tggaaaaacc acactaggca aagaacttgc 120  
 gtcaaaatca ggactgaaat acattaatgt gggtgattt gctcgagaag agcaatttgc 180  
 tgatggctat gatgaagagt atgactgtcc catttttagat gaagacagag tagttgtatgc 240  
 gtttagataac caaatgagag aagggtggat tattgtttagat taccatgtt gtgatttctt 300  
 ccctgaacgc tgggttcata tagttttgt gctgagaaca gataccatg tattgtacga 360  
 aagacttggaa acaagggggtt ataatgagaa gaaactaaca gacaatattc agtgtgagat 420  
 tttcaaggctt tttatgaaag aagccacagc atcctacaag gaagaaaatcg tgcatcagct 480  
 gcccagtaat aaaccagaag agcttagaaaa taatgttagat cagatcttgc aatggatgt 540

gcagtggatc aaagatcata actcttgact tataaggcta gctacttaat aatcactctt 600  
 gttatatct ctggcgacat catagaaatt gttcaagtgt cagtaacact ttattaaaat 660  
 catgtgcag aaccagcagg tggatagtat ataggttat gcctgtgtt cttttctcc 720  
 atgagaaagc taaacatgaa atataatgaa tatagtatta ttaaggattg agacaaaaac 780  
 tgtgattttt atacttaat tgctaaagaa taaataaattc tgacaaaaatg ggtggataatc 840  
 ttttaagttt attacagaaa aaaatgcaga tgatcttta aaataaaaact aaagataaaag 900  
 caaaa 905

<210> 56  
 <211> 4474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 480710.12.dec

<220>  
 <221> unsure  
 <222> 9  
 <223> a, t, c, g, or other

<400> 56  
 cggccggnc gggggggcaa gatggcgcg gcagtagggg ttcgtggccg gtacgagctg 60  
 ccgccttgct ccggcccgagg ctggctcc tc acgtttccg ccttgctgag tggccgc 120  
 cgaggggcct tcgccaccac gcactggtc gtcacggagg acggaaaat ccagcagcag 180  
 gtggattcac caatgaactt gaagcatcct catgacccat tcatattaaat gagacaagaa 240  
 gcaacagtttta actacccaa agaattagag aaacaattag ttgctcaaaa aattcacata 300  
 gaagagaatgg agacagaga cacaggactg gaacagagac ataataaaga agacccagac 360  
 tgcataaag ccaagggtgcc cttagggac ctggatctt atatggcac atacataact 420  
 ttggagagca aagacatcaag tcctgaagat tatataagaca cagaatctcc tggccctcca 480  
 gacccagagc aacctgattt tactaaaattt ctagaacttc catatagttt acatgctttt 540  
 cagcacttga gaggtgtaca ggagagagtt aatcttctg cacctctgat acctaaagaa 600  
 gacccaatct tcacatattt atctaaacgg ttaggaagga gtatagatga cataggtcac 660  
 ctcattcatg aaggccatac gaagaacact tcctcggtt tactgtataa catggcttca 720  
 ttttacttggaa gaattaagaa tgagccatat caggttagtag aatgtgccc gcgagcactt 780  
 cacttcttcc ccaaggcacaa taaagacat gccctggtc acctggcaaa cgttctacac 840  
 agagcacact tctctgtga tgctgtgtc gtggccatg cagctctgaa tgacagtgac 900  
 ttcttcacca gcttattacat tttgggaat tatatacgaa tgcttgggaa atataaccac 960  
 tcagtgtctt gttatgacca cgcttgcag gcccacccat ggttggcagca agctataaag 1020  
 aggaagcatg ctgtctttagt tcagaaaaaa ctggagcaga aattggaggc tcagcataga 1080  
 tctctccacgc gaacactgaa tgagttaaaa gagttcaaa agcagcatgaa ccactacatg 1140  
 agacagcagg aaatccatgaa aaaacataaa ctgattcagg aggagcaa attaagaat 1200  
 atcattcatg agactcagat ggccaaaagag gcacaattt gaaatcatca gatatgccg 1260  
 ctggtcaacc agcagcatat tttacattgc cagttggacc acctgtacg ctatcatcgt 1320  
 ggagatatact ttggaaatgtt ggactatgtt cagttgttggt aggattcatc aacccatcagt 1380  
 atgatgtctg tgaacttggaa ttttcaatca aatcagatg atataatgtt ttcggtaag 1440  
 tcttctcccg tagccatttc tatttctgg atttggggca gggactctg tgcatatagg 1500  
 gacaaacagc atattctatg gcctaaaaga gcagatgtt cagaaagctt ccctagatgc 1560  
 cctgttgggtt gggatttgc aacgtatttt ctgcctccgg aaaacaaaagg actcaggatc 1620  
 cacgaactca gcagtgtatgaa ttatttcaaa gaagaagagg cccaaacccc tgactgttcc 1680  
 ataactgact tcagaaaaaa ccacactctg tcttactttagt tcaaaagaa atagggttcgc 1740  
 atggatctga aagccaaaat gcccacatgac catgcacgaa aaattttgtt tccccgtatt 1800  
 aataactat cttatccatgaa agaagaaattt gggcttttctt tatttcatgc tattaataaag 1860  
 cccaaatgttc cttatccatgaa cttatccatgaa gaaatgttgc tataactggag agcagtagga 1920  
 aatagcattt ttgttattgc ctgttccatg agggttttga atttagcttcc acttcaatac 1980  
 caagatgttc ctcttgcataa cttggccaaat ctttggatcc attacggccct tcatcttgat 2040  
 gcccactaaggc tgcataatgc acgtttggcc atcaatagct ctgagctctt gacccctttt 2100  
 agcctggaaat atgcttacat tgcataatgc acgtttggcc atcaatagct ctgagctctt gacccctttt 2160  
 caggccttgc aatataaccac caaatgttcaaa gagggttggatcc atttagcttcc acttcaatac 2220  
 tgtatgttgc tttatccatgaa ttttgcataa cttatccatgaa gaaatgttgc tataactggag agcagtagga 2280  
 gttgaggaga gcaatgggttgc tgcataatgc acgtttggcc atcaatagct ctgagctctt gacccctttt 2340  
 gaaatactgg ctttgggttgc tgcataatgc acgtttggcc atcaatagct ctgagctctt gacccctttt 2400  
 gcactagaga tggaaaggccatgac ttttgcataa cttatccatgaa gagggttggatcc atttagcttcc acttcaatac 2460  
 ccccaaggat gagggttgc tgcataatgc acgtttggcc atcaatagct ctgagctctt gacccctttt 2520  
 gcaacagaat ggttacat ttttgcataa cttatccatgaa gagggttggatcc atttagcttcc acttcaatac 2580  
 aaaactccatg gggaaaaatggt gaggatcataa cttatccatgaa gagggttggatcc atttagcttcc acttcaatac 2640

aaccttagaga tcactggccc caagggtggca tctcctgggc cacaaggaaa aaaacgtgac 2700  
taccagcgtc tgggatggcc cagccggac gaatgcctca aactccgctg ggttagagctg 2760  
actgccatcg tgagtacctg gcttcagtt tcttcaaaaa acattgacat cacagaacac 2820  
atagattttg ccacccctat acagcagcca gcaatggagc ctcttgcaa tggcaatctc 2880  
cccacgagta tgcataccct ggaccactt gatggggttt ccaaccgagc cagcctgcac 2940  
tacacagggg agagtcatgtt aacagaggta ttacaaaatc tcggcaaaga ccaatatcca 3000  
caacagtcgc ttgaacagat tggcacccga attgc当地aaag tttggaaaaa gaaccagacg 3060  
tcctgggtcc tctccagcat ggcagccctc tactggaggg tggaaaggcca aggaaagaag 3120  
gcaatcgact gcctccgcca ggctctgcac tatgc当地ccac accagatgaa ggatgtgccc 3180  
ctgatttagcc tggccaaacat cttgc当地aaat gccaagctt ggaatgacgc cgtcatagta 3240  
gccaccatgg ctagagat cgc当地ccacac tttgtgtga accacttccac tctggcaat 3300  
gtctacgtgg caatggaaa atttggaaaaa gcaactgtt ggtatgaaatc cacattgaaag 3360  
cttcagcccc agttgtccc agccaagaac cgaatccaga cc当地ccatgt tcaacttaatg 3420  
ctgaagaagg gacggcgc当地 tccttagtgc acttcttcc tctcttcc tctttactca 3480  
tgctctaaaaa aaaaagaata agaaaagaaa ccaatcattt tcaatgtatcata ctattaatga 3540  
tgtgtgtgaa aataactaag acttataaca ggactttac atatgtggga attgggttgt 3600  
tttggggggg acgtttctcc tttccccca ccaacctcag aagaggcacc ttcagaaaca 3660  
cacatttctt aaaaggaaaag tgc当地ccatca agatattgtg taaataactga gccaagacat 3720  
ttctggagct gtgctctgc当地 tccaaaaacc tcaatgc当地 tagggcttcc tctc当地ggc 3780  
cagctagcc tctcttggg ggaggatgaa gccc当地atttgc acatttctc当地 tttccctgtc 3840  
tagcctctgt tgtaatggg aatgc当地ggg cccatctgtt gccc当地tgc当地 tccatgctgc 3900  
gttctgc当地 ctctccgta gacccctatg ctgtccccag tcttgc当地 tccatgctgc 3960  
tgtgttacaa acttc当地agag gt当地tttgc当地 ggggagggaa gggaaatatga ttttaaaaac 4020  
aaaatatttca caacaacaaa aatttcttggg atc当地ccatgc tttgtatg ttatattgt 4080  
tggggagggg ggggggctga gaagggggaa tcaagc当地gtt gcaacatctt tataatttgt 4140  
actttaatta caaatcacaa ggaaaccaat aagttgaaat cctatataac aggtttatat 4200  
atatagaata tgatattttg aagccctctt当地 cagactgagtt ctatgtttt当地 ctaatttctt 4260  
gttctactgtg ttaccatctt当地 tggaaataatg tggaaatgtt当地 agtccctctt ctctgaggcc 4320  
tccagactt当地 gctctc当地agg agggttaatg gccaagggtt当地 agt当地tttcc当地 tacaatgctt 4380  
ttacctt当地ga tccaggagaa atc当地aaaactt当地 ccaacatctt当地 ggaatctt当地 agggcacata 4440  
ctgagaaaaaa aaataaaaattt当地gtt当地gagc aaaa 4474

<210> 57  
<211> 1566  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 234137.10.dec

<400> 57

gccc当地ggctt ttctgggacg ggggaggtgg agtggggctt gcaagctgccc gaccaggca 60  
ctgaccctt当地g acctccgggtg gctccccat ctctc当地aggcg cgatggctac gggc当地ggat 120  
gtacgggaca ttcttagaact cgggggtcc当地 gaaggggatg cagcctctgg gaccatcagc 180  
aagaaggaca ttatcaacc cggacaagaaa aaatccaaga agtccctgtg gacactgact 240  
ttcaagaggc cggaggccat gcaaggggaa gtctatgc当地 tgctctactt tgacaaggaa 300  
gatgc当地ccccc cactgttacc cagtgacact gccc当地aggat accgtacagt gaaggccaa 360  
ttgggctcc当地 agaagggtcg gcttggaaag tggatgc当地 tccacaaccc gggccgcaag 420  
gacggagccaa tggcttcc当地 ctggc当地acgt gcaaggccagg aggcaaggaa ctacccttt 480  
gccagggtca ataagactgt gcaagggtcc当地 gtgtacttcc当地 agcaggagta ccagctttat 540  
ctccacatg atgcttggac taaggc当地aa actgaccacc tcttgc当地ctt cagccgccc 600  
tttgacttgc gtttgggtt当地 tatccatgac cggatgacc accagc当地ttt caagaaggct 660  
tctgtggaaag acttgaaggg gcggtactac cacaatctgtt当地 ctaatgtt当地 caacgtgccc 720  
gctgtggccag gcaaggccat taagataccat gtaatgtt当地 ctgggcaaggaa acgacaggcc 780  
aaggaaacagg ttgaggctt当地 ctacaaccgg accccaggagc agtggcaggaa ggaggagtt 840  
ctgctacagg agtgc当地ca gattggaggcc cggaaaggagg agcaggaggaa acgc当地ggcc 900  
gacctgc当地 agtgc当地atc acggaggccat accactgc当地 agcaggccagg cacggaaacgc 960  
aaggccccca aaaaggaaatc accccaggaaa aaggaggctg agaaggccggc tggcttccatg 1020  
actgc当地ggca tcaaggatcc当地 agacttcaag tctgc当地aggatc tcaatgtt当地 gagccaaacgg 1080  
atgaaggctgc caagctctgtt当地 gggacaggaaag aagatcaagg cc当地ggaaaca gatgc当地ctg 1140  
gagcttgggtg tgaggctgag cccgacaccc acggaggaggc tggatgc当地atgatg gttcaatgtt 1200  
ctgc当地ggccagc acctgggtctt当地 gctctacatg gcaaggccagg cctgtggccaa ctgc当地ggat 1260  
gagctgc当地 gatgc当地ggcc当地 cggatgc当地ggcc gcaactggccc gggctgggtt当地 gcttagggggc 1320  
cctgccc当地ac cagcatcagg cccaggcccg gc当地ctgtt当地tggcaggact gactgaaccc 1380  
ggacttggcc当地 ctgacccatc ggacaccatc atgatgtgg tggc当地ggccacc cctc当地ccccc 1440  
aattc当地gagaa agc当地ggccatc gtc当地ggctcc当地 agtgc当地atctt当地 cc当地gtgaaaggaa agc当地aaaggaa 1500

ccgtgagagg ccccacgggg tgtggcgac gctgttatgt aaatagagct gctgagttgg 1560  
accagg 1566

<210> 58  
<211> 1932  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 480630.4.dec

<220>  
<221> unsure  
<222> 74, 175  
<223> a, t, c, g, or other

<400> 58

ccgaggcagg acggggcccg cgagggtccca ggcagcgaac cgcgccccc gaggcaggagc 60  
ctcccggtgc ggancgggtcc cggtgtgcac catcttcagc cagcgcgcgc ccccagccctc 120  
cggggacggc ttcgagccgc agatggtaa gtcgcccage ttcggtggcg ccagnaaggc 180  
ctcggccagg acaccgcccc aggtctgtca gcccagcccc agccctcagca cgttcttcgg 240  
agacacggcc gccagccact ctttggcctc ggacttcttc gactccctta ctacctccgc 300  
cttcatttcc gtcaagcaatc cggcgcggg ctccccggcc cccggcagcc cgcctccct 360  
cgctgtgccc gggaccgggg ggcgcggcga acccggtggcc atgcgagggc cccaggcagc 420  
tgcgcccccg gcgtcgccag agccttcgc gcacatccag gcagtgttg cagggagtga 480  
cgaccctttt gccaccggccc tgagcatgag cgagatggac cggaggaacg acgcctggct 540  
tcccggcgag gctacgcgtg gagtctgtc ggccgtggcc acccagcagc gcggcgccgt 600  
gttcgtgac aaggagaacc tcaccatgcc gggcctcagg ttcgacaaca tccagggaga 660  
tgcgttaaa gacttgc ttcgctttt gggtaaaaaa gtcgagcaa agagacaagt 720  
cctaaatgcc gactcagtgg aacaatctt tttttttt aaacagctaa tcagctgcag 780  
aaactggagg gcagcagtgg acctgtgcgg acgtctcc tc acaggccacg gccagggcta 840  
cgccaagagc gggctgctca ccagccacac gacagattca ctgcagctct gtttgcag 900  
gctggacta ctatgtaaatg tggccctttt ccagaatgtc gagatggaaat ttgaaccctt 960  
cgaaaaatctt gatcagccag atcttttata cggacttac ccgcacgtgt accctggcg 1020  
caggggtaag gccatggctc catggccccc ttctcgatgc gcatcttgc cgcggagctt 1080  
cagcagtacc tgggaaacc acaggagtcg ctggatagac tgcacaaggt gaagactgtc 1140  
tgcagcaaga tcctggccaa ttggagcaa gggcttagca gaagacggcg gcatgagcag 1200  
cgtgactcag gaggggcaga caagcctcta tccggctgtc gaggtcacgt ctggggccgg 1260  
tgatgtactc catggcaaaac tgcgtctcc tgatgaagaa ttatgtgtc gccgtggagg 1320  
cgtatcatc gtttatcaag tattaccatc agcaagagcc ccagctgtc acggccatcg 1380  
gccggattc cctccagatt ggagacataa aaacagctga aaagtattt caagacgtt 1440  
agaaaagtaac acagaaattha gacggactac agggtaaaat catggtttg atgaacacgc 1500  
cggttcctca cctcgggcag aataactttt cagaagccca caggttcttc acagagatct 1560  
taaggatgga tccaaagaaac gcagtggcca acaacaacgc tgccgtgtgt ctgctctacc 1620  
tggcaagct caaggactcc ctgcggcgc tggaggccat ggtccagcag gaccccaggc 1680  
actacctgca cgagagcgtc ctcttcaacc tgaccacat gtacgagctg gagtcctcac 1740  
ggagcatgca aagaaaacag gcccgtctgg aggctgtcgc cggcaaggag ggggacagct 1800  
tcaacacaca gtgcctcaag ctggccttagc tgccctccaa acactacgtc agaaggaccc 1860  
gggtcttga aactgtgtct tgaagctaat gtattatgt gacatggagg aactcaataa 1920  
aactcctgtc tc 1932

<210> 59  
<211> 1607  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 480951.5.dec

<220>  
<221> unsure  
<222> 991  
<223> a, t, c, g, or other

<400> 59

ctggagactc	gggtggccga	ggggcttcat	accagctgaa	gagcacaag	ccgctggcag	60
ccgcggatct	caccggcgct	caggagatct	gttggtaatc	tgaggattt	tattctacgt	120
cgtcttgcaca	gatggaaaac	ctgaagtaac	ttcgggctaa	ccttgggttt	ttggaaaatt	180
agtagacttg	gtggtaaga	aactgggagg	agtaggatat	tagctaactt	tgcatagcca	240
catatagagc	gtcgagctg	cattccacca	aagaggaacc	aaaaggcctg	tggtgttccc	300
agggtacata	ttcatgcccag	aagtgaagt	ccttggtcaa	ttcggttctt	gaaagttat	360
cgcatacttg	tactgggtt	agccttatgc	cagcctggac	catctggag	gcagtgtagg	420
atcatggaaag	aactttaaat	taggtttta	gaacttcagc	cataaaaatg	ggcagaattt	480
tccttgcata	tatcggtgg	acccgtctgt	tttcttgc	aaactgtgat	acgatcctga	540
ccaaccgcctc	agaactcata	tccactcg	tcacaggcgc	cactggcaga	gcatttctt	600
ttaacaagg	agtaaacatg	cgtacagcg	aagttcaaga	tcgggtcatg	ctcaactggcc	660
gccacatgg	tcgagatgt	agctgc	aaactcaat	caaactggga	tggatctatg	720
agtttgcac	tgaagacagc	cagcgatata	aggaaggccg	cgtgatcctg	gaacgtgctc	780
tagttcgaga	gagtggggc	tttgaggagc	atgtaccatc	tgataactct	tgaagataca	840
gagagaaatc	catttttcc	caggtctc	tcactgaaaa	caaaaatcta	tttacatata	900
ctgtcaccc	agcatcagag	tcggattaa	gaactgcgg	acaagagg	gtgagaatct	960
aagatggaaac	cttctttct	tctttctt	nttttaaatt	ttgtat	catccaacag	1020
cagcgtag	agagaat	atgcagatgc	cgtttaat	ttaccctatg	tttacgtctt	1080
gaggcagcag	agtctgtctg	cagctatgt	gtgagctatg	taaggaaaa	aatctgggct	1140
gttagagtg	aaaatgtgt	tttatgtca	ttgtgaaagg	aaaatgttag	gagtagtgg	1200
tttaaactt	ggcttcatt	taaactt	ttttttaaacc	cagtattt	acttgattt	1260
ctagcttcag	agaagagatc	cgaatctgt	cccagcgct	aaggctcgt	tttagcatgg	1320
cttgcgtgg	ccgggtgtgcc	atattctgt	ttggagatgaa	ccgtacgacc	agagccctt	1380
cttcctgtc	agtcttggcc	caaagatgtc	accattccta	gttatttgc	accacataat	1440
tggtgttgc	tggaaactt	ttctgagatg	ggacagaact	gctgggttgc	ctttttccaa	1500
ctattactt	attatata	ctatgcctaa	gttacatgaa	aaaagacaac	ccagcagttc	1560
tgtcccatct	aacttaagca	tagtaatata	aataaagtaa	tagtgg		1607

&lt;210&gt; 60

&lt;211&gt; 4219

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 350399.5.dec

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 2207

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 60

agggtcgagt	agctggtggg	gggaccgcga	ggcgagcgcg	ggagcctggg	cggcgagccg	60
gggtcgagat	gcctgaaaat	gcactccgt	gccgcccgt	tcaatttca	gctgaactct	120
catctctcaa	cactggccaa	tattcataag	atctaccata	cccttaataa	gctgaaccta	180
acagaagaca	ttggccaaga	cgtacccaa	acaggaatgc	tgcggcttgc	cagtctca	240
gactgctta	ataaaatgtat	gccaccaagg	aaaaagagaa	gacctgcctc	tggagatgat	300
ttatctgc	agaaaaatgt	acatgatagc	atgtatagaa	aatatgattc	gactagaata	360
aagactgaag	aagaagcctt	ttcaagtaaa	agtgcttgc	aatggttcta	tgaatatgca	420
ggaactgtat	atgttgcagg	ccctgaaggc	atggagaaat	tttgcgaa	cattgggtt	480
gaaccagaaa	acgtatgtat	gttgcctca	gttggaaat	tggatgcaca	aaacatgggt	540
tatatttactc	tacaggatgt	gttaaaagga	atgacttctc	tccatgtga	tacaacagaa	600
aaactcagaa	atacttttgc	ttacttaaga	tcattcttaa	atgattctac	aaactttaaa	660
cttattttca	gatatgcgtt	tgacttgca	cgggaaaagg	accagcgaa	cctagacata	720
aacactgc	agtgcgtt	gggactgtt	tttagaaaaaa	tctggccctt	ttttccagtt	780
tttccaccaat	tcttagagca	atcaaatac	aaaatgtat	ataaaagacca	gtgggtcaat	840
gtccttagat	ttagcagaac	aattaatctt	gacctcagca	actatgtga	agatggagca	900
tggccagttt	tgttggacga	gtttgtggag	tgttataaaag	acaaacagat	gtccttaggac	960
tttatgcata	gcagcgagag	agtcaactt	accacagtt	tgtcaccat	tagccataaa	1020
ttgtctgttt	tatcaaagcg	catgtctt	cttttgcact	gttccctt	cgcagggaca	1080
tgttgggttt	tgttattgtt	ttggccagct	ctgttgc	tgtggcattt	ttctcttgg	1140
aggctgttt	gcagtttgc	tttacactac	agattggtga	atttgcac	gtcctactg	1200
tgattatgt	tatattgtt	tttaaatttt	gtatatgtt	ataaaaggaa	aaaggttccac	1260
ctagatgtt	ttttgtaaaa	atgtatgtt	aaaataattt	tgtggcattt	ctagccctt	1320
tttttgcata	accaattat	actttatgtt	gtctccat	tagcattca	gaaaacaaga	1380
aaaaactgtt	accatgtt	accatgtt	aatgtttaa	tactgttt	gaggccaaact	1440

tctggaaatgg ggtaggagtc ataaactttt agaggcatat gccaaatatac atttggtata 1500  
 cttacaata ttatgtttt aaaatgatga gttataatata ttgaacata tagatatgtat 1560  
 acatgccaca aatcatttct accatgcaag gtgtataagt tggttatttt ttagtggtaa 1620  
 aactataata gcttgaatata aggtaccaat gaacaaatc aaattgcacc tctttctta 1680  
 aaagaatggg atttaaactc ttataaacat tcttaactt ttttgggtt ttgttcttt 1740  
 ttttcctt tgcattctt tagccagtga ttgatctgt aatgtttct ttgccactct 1800  
 aagtaaaatt tatttcaccc cctcaatgaa aacctcatgg ttttgcggg ctgttataa 1860  
 ctgcacatcgca cttcttagtt tggttgaat tttcagttaa gcttcatgg tatgtatattt 1920  
 tccagccctt tgagaaaaca agcataactat aagtggagc tggttgggtt tccttgggg 1980  
 ttgttccat gctaggctt tcctggcagc atgtccatgg caggcagtgg acaagaaacc 2040  
 accaggattt agctaaccctt gtacatgtca ggacctgtcc tagagggggcc acttttctt 2100  
 acctggatgg tttgttacaga agggcaatag ccattttt tggttgcgg gaaacaagaa 2160  
 taaacagaat ggttattttt ggttgcattt ttatgtctt tttttttttt ttgttttgc 2220  
 cattctttag gaaatataaga gatgacatgt tttcaccctt actatctgtt gctattgtat 2280  
 gactaatca gtccttaaag ttctgtgaaa acacaaaagt ctaatgattt gagtggat 2340  
 aaggtaatgg tgcattttgaa caagtaatg ctgtcgtgtt cagcaagatc cgtgatttga 2400  
 acatgtgatg actggaaaaaa ggttgggtt atttggaaact ctggctaaaaa cttcttccgg 2460  
 gtgacatgtt atcgttttttt tggcattaag tgaataaaagc acacagacag tgctactctt 2520  
 gaccactattt ttaccatttcc ttgttcaaca gtgttccat tttcatattt tttcccttaac 2580  
 taaaccacca aagaaagaaaa tttgtatgt atatacagtg tttgtgtata caaaatcatg 2640  
 atatagtata atgcaactac tttcttttcc taccaaaacga aaggttttt ttgctgtgaa 2700  
 ataaaccaga atttttttttt accctgttagt gattaagat acttaaccac tccttatttgc 2760  
 tagatttact ttcaacccctt aaaaattataa ccagtttgc taaaccaataa tctgaaaaga 2820  
 acaggaaatg ttaatggcaa gcaacagcta ttaatactgtg tttgtatggat gcatattttt 2880  
 tgcagtgggtt actggcccttgc gcaagggttgg atctgttgcg aatttatttca tttcaaaaat 2940  
 tattccatata agttttttttt ttttttttttcc taccaacttta aaggcaacag gtcatacgt tcctttaatc 3000  
 ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3060  
 tatgttagaa tatagagatt ttttttttttcc gctgataagc acagtttatttcaatg 3120  
 aggatttttta caggagggggat atgttacatgtt taatccacca tcaacattttt gatggtaggg 3180  
 aaaaaactgc gtaaaaaacta ttgcatttttgc ttttttttttcc ttttttttttcc ttttttttttcc 3240  
 taatcttgc tatttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3300  
 ttttgcatttttgc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3360  
 taagggggaga aaaaagggggttcc agacagatgtt atatgatataa ttttttttttcc ttttttttttcc 3420  
 agttgcacca aactgaacaa tcatcaagca ctttttttttcc ttttttttttcc ttttttttttcc 3480  
 ggggtgccttcc atctgggtttt ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3540  
 ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3600  
 actgtctgttcc tagtttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3660  
 tacatgcatttttgc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3720  
 aaccttagatttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3780  
 ctttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3840  
 aaactgtcttcc aataaccccttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3900  
 ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 3960  
 gttgttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 4020  
 tataactgttcc aatgttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 4080  
 ctttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 4140  
 gtttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 4200  
 ttttttttttcc gaaaaaaaatggat 4219

&lt;210&gt; 61

&lt;211&gt; 2766

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 085713.2.dec

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 2744, 2754, 2760, 2762

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 61

attttgcatttttcc ctttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 60  
 ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 120  
 acctatgttcc gccatattttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 180  
 atgttccatgttcc gtttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc ttttttttttcc 240

<210> 62  
<211> 1189  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 245014.1.dec

```

<400> 62
gagtattgga agacttgcga tggaaagaat ctaccagaaa ccatttcaga cattaatgtt 60
tttgcattcgaa gattggagct atccttatga acattcatat ggtttggaaag gtggaaagca 120
atttcttgcattt aagagattac aggtaaaaca aaatcaacat gaagagcttc agaatgtaa 180
gaagcacata cacaatttgtt tctcaaatct tggttgcctc ctttgcac atcctggct 240
taaagtgcacta actaattccta gttttgatgg gagattgaaa gatattgtg aagactttaa 300
acgcgagctt cggaaatctgg ttccattgtct gcttgcctt gaaaatttgg tagaaaaaaga 360
gataagtggatca tctaaagtca cttgttagaga tctttagaa tattttaaagg cttacatcaa 420
aatcttcaagggagaagaa ttcacatcc aaagtccatg cttcaggcaa cagctgaagc 480
taataatctt gctgcattgtt caggagcaag agataccat tgtaaaaagta tggaacagg 540
atgtggagggg gacaaggcctt acattgcacc ttcatgtct gaggcggaaaacttggatct 600
caaggaaatgtt gcgataaaaac aatttcgttc agtaaaaaaag atgggtggag atgagttctg 660
ccgtcgttat caggaccaggc ttgaagctga aattgaagaa acctatgcaa attttataaa 720
gcacaatgtt ggcggaaaata tcttctatgc tgctctgtacc ccagccacac tggggcggt 780

```

catgtttgct	atgtatataa	tctcaggact	gactggcttc	attggcctaa	actctatagc	840
tgtcttgtt	aaccttgtca	tggggtagc	actgatattt	ctttgtactt	gggcatatgt	900
taaatactct	ggggagttca	gagaaattgg	aacagtattt	gatcagattt	ctgaaacact	960
atgggaacacg	gtattgttgc	ccctgggtga	taatttgatg	gaggaaacaa	taaggcagtc	1020
tgtaaacaaac	tctatcaaaag	caggctgtac	tgaccagggt	tctcatcatg	ccagattaaa	1080
gacagactga	cagttcatct	cctcacggac	tccactctt	tttttttca	tgcttgctgt	1140
acaatgagaa	ctcaaataaa	aataaaccacaa	agtttacaat	caactgttag		1189

<210> 63  
<211> 3132  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 117464.7.dec

<400>	63	gcaccataac	tccaaagatg	aaacgctccc	agaaaagaaaa	ggcaaagacc	catcgaaac	60
aaaagagcaa	cttcaccgc	ctgatacgt	cacttcatga	catccacatt	gagacaaaat	120		
ctcgccgtgt	gacctacaac	acctctcg	caaccccacc	tacttgggt	cgaatacaga	180		
tttatctca	tcaaacagaa	aaattctta	cagaaaaagg	aatccaaaa	atgactggta	240		
atataattct	ggctgcctt	atggtagtca	gtgcagcggt	aagtatacca	ccggtcgggg	300		
caactcaaaa	tataacttat	tgcccata	ttcctttcc	ccttctaa	cggtcgtct	360		
cctggggga	cttcaggta	gaagtttaca	ctaataatag	tgattcatg	ccgatcccta	420		
atgatgtcg	gtttcagct	caacccgaag	aagaaggat	gcacttaat	ctgtcaattg	480		
gctataaata	tcaccattt	tgtattggg	agtcgcctgg	ttgttagct	tattcttaac	540		
agaattggat	gtggactgt	ccgtcttta	caaataatgc	ttatcaagta	tataatgtgt	600		
tcagtaactaa	ctctttcaa	cttctcactg	tcaaaacgtac	cccacatgag	gcatggagag	660		
ttcctctcac	tacaaaact	aataaaacaa	aaggactgcc	ggactgtcca	aagaacacta	720		
caaattggcc	tttatagtg	acttcaattt	tatgggataa	ttgtatgct	cccaagggt	780		
gttgtaactcc	aaactctagc	catgggtatt	gttattgatt	gggctccaaa	aggacattat	840		
tggcaagatt	gctccagcaa	aaataccctt	tgctcgaggt	ttatttattt	cttagattat	900		
atagagcatg	gttggcagtc	ttacacgt	agacaacggg	tgtctctta	cccatattaa	960		
ttggatggaca	caggatttc	tcctctttag	ccaaaaattt	tttacccctt	ttttacccca	1020		
gaacatccctg	aactatggaa	attagctgca	gtttgtcgg	gaataaagat	atggaaact	1080		
acctatccgc	tccttcgtac	taaaaaccaa	acacccacat	tcaacatcac	ccttatttct	1140		
gaatgggtga	tacccattag	gagctgtgtc	aaacccctt	acatgctgtt	ggttggaaat	1200		
ataattatga	tgcctgtatgc	acaaactata	gaatgtcata	actgttaagct	gttcacttgc	1260		
attgtatcaa	cttttaatcc	cactacaat	attctcttgg	taagggtctag	ggagggggta	1320		
tggataccag	tttctctaca	tcgtccatgg	gagttttccc	cctctattca	catagtcaat	1380		
gaagttctta	aagacatcc	caaaaagaca	aagagattt	tttttactct	tattgcagtc	1440		
cttgcaggac	tacttgcgtt	tactgcaaca	gcgcaactg	ctggagttgc	catccgcagt	1500		
tctgttcaaa	ctgtctacta	tgttgaagca	tgccagaaaa	atttcccaag	acttttggaaat	1560		
tctcaggcgc	aaattgtatca	aaaatttagt	aatcagattt	atgatctccg	ccaaagtgt	1620		
acctggctgg	gagatagatg	tatgaacttg	caacaccgt	tgcaatttaca	gtgtgattgg	1680		
aataactctg	attattgtat	aacgccttat	gcttataatc	aagatcaaca	tagctggaa	1740		
aatgtctcaa	gacatttaaa	agcctggat	gataactta	ccttggatat	ttcacaactt	1800		
aaagagcaaa	tcttgaggc	ttcacaagcc	catttatcca	cagttcctgg	ctcacacatt	1860		
tttgaaggca	taactaaaca	attacctgtat	tttacccct	tcaaatggct	caaaccgc	1920		
agaggatcat	tgttgttact	ggcattatta	atattggtat	gtttatgttg	tctcccttta	1980		
gtctgcagat	gcttccaagg	agtcgaaac	caagtcggaa	gtcaacaaca	agcaatgtat	2040		
gcatgtgtga	ttcttagttaa	taaaaagggg	ggagatgtgg	ggggcaagcc	accaggcac	2100		
cggggcaaga	gacagaggac	acgagctgtt	ccagataat	aaaataaaaa	acaagaatag	2160		
tttacccaga	tatagatctt	agatattgtt	atatacgaat	atcattaatc	atgaggattgc	2220		
agcaattact	ttttatttcca	atattatgtat	aatcctcgct	ctataatcat	agcctaggaa	2280		
aaaccaggcc	atacagagga	gctgagggga	catagtgagg	tgtgaccaga	agacaagagt	2340		
gcatggcttc	tgttatgccc	ggacaggccc	acaagagggc	tccttgggtct	agcggtgacg	2400		
ccagcgctg	ggaagacgcc	cgttacccgg	cgatcggt	cccagtggt	gaaaaagggt	2460		
tcaaggaaca	acactcacta	cttagcagac	cgggaaagg	gccccgggggg	ggtctccctc	2520		
ccccagggg	gtttagagaa	gactctgtc	ctccacccct	tgtggagggc	ttgacatcag	2580		
tcaggcgttc	ccgcagttat	ccagaggcct	aaacgtctcc	ctgtgtatgc	gtgttcagc	2640		
ggtcacactc	ctagtcact	ttcatgttcc	atccctgtaca	cttggctctg	ccttcttagat	2700		
agcgtatgta	aatttagtgc	aataactata	gtccctgtata	tgcaaaaata	atggcgtaa	2760		
ctgtcttct	ctctgtctcc	tctctctc	tgccctcggt	gcccaggcagg	gaaggggactc	2820		
ctgtccagtg	gacacatgac	ccacgtgacc	ttacctatca	ttggagatga	ctcacactt	2880		
ttacccctqcc	ccttttgctt	tgtatccagt	aaataacacg	gcaagccacqac	attcqqqqcc	2940		

actaccggtc tccgcctctt ggtggtagtg gtcccccggg cccagctgtc tttttcttct 3000  
atctctttgt ctgtgtctt tatttctacg atctctcatc tctgcacacg gggagaaaaa 3060  
cccacagacc ctgttagggct ggaccctaca gaatttcatg caaggtgctg tcaaataaaa 3120  
aatgttattt ag 3132